

#1

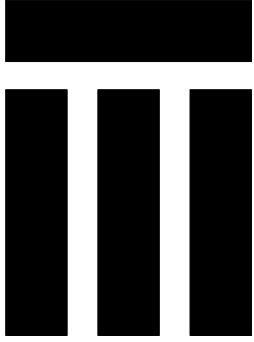
-3



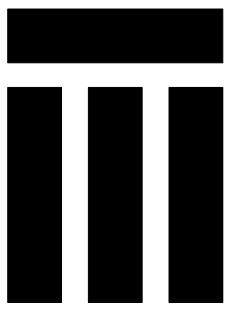
1



2



3



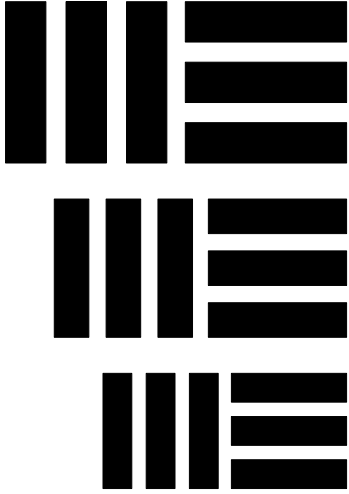
4



5



6



6



5



4



3



2

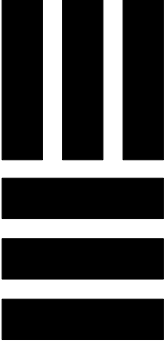


1

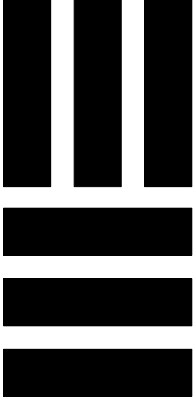
-2



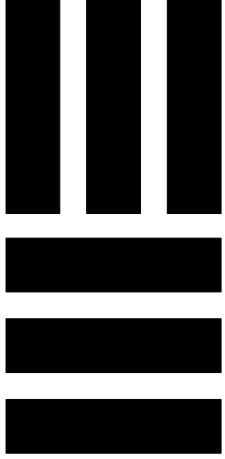
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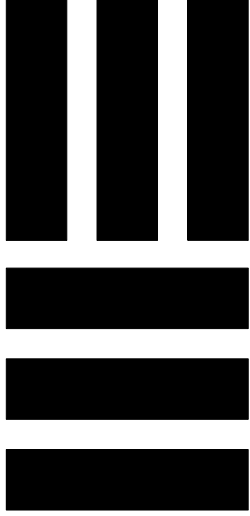
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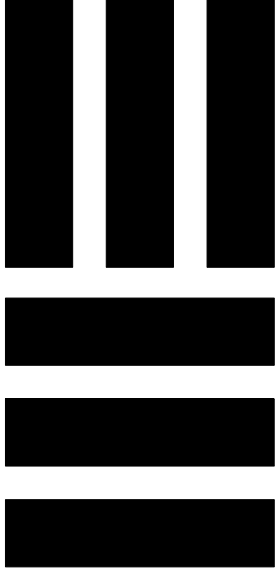
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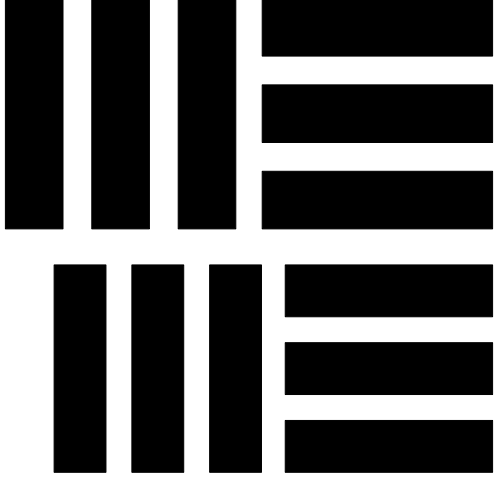
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2



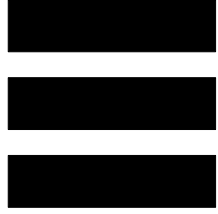
1



-1



2



1



#3



Contrast Values
1 – 100%
2 – 94%
3 – 87%
4 – 81%
5 – 75%
6 – 69%
7 – 62%
8 – 56%
9 – 50%
10 – 44%
11 – 37%
12 – 32%
13 – 25%
14 – 18%
15 – 12%
16 – 6%

1

2

3

4

5

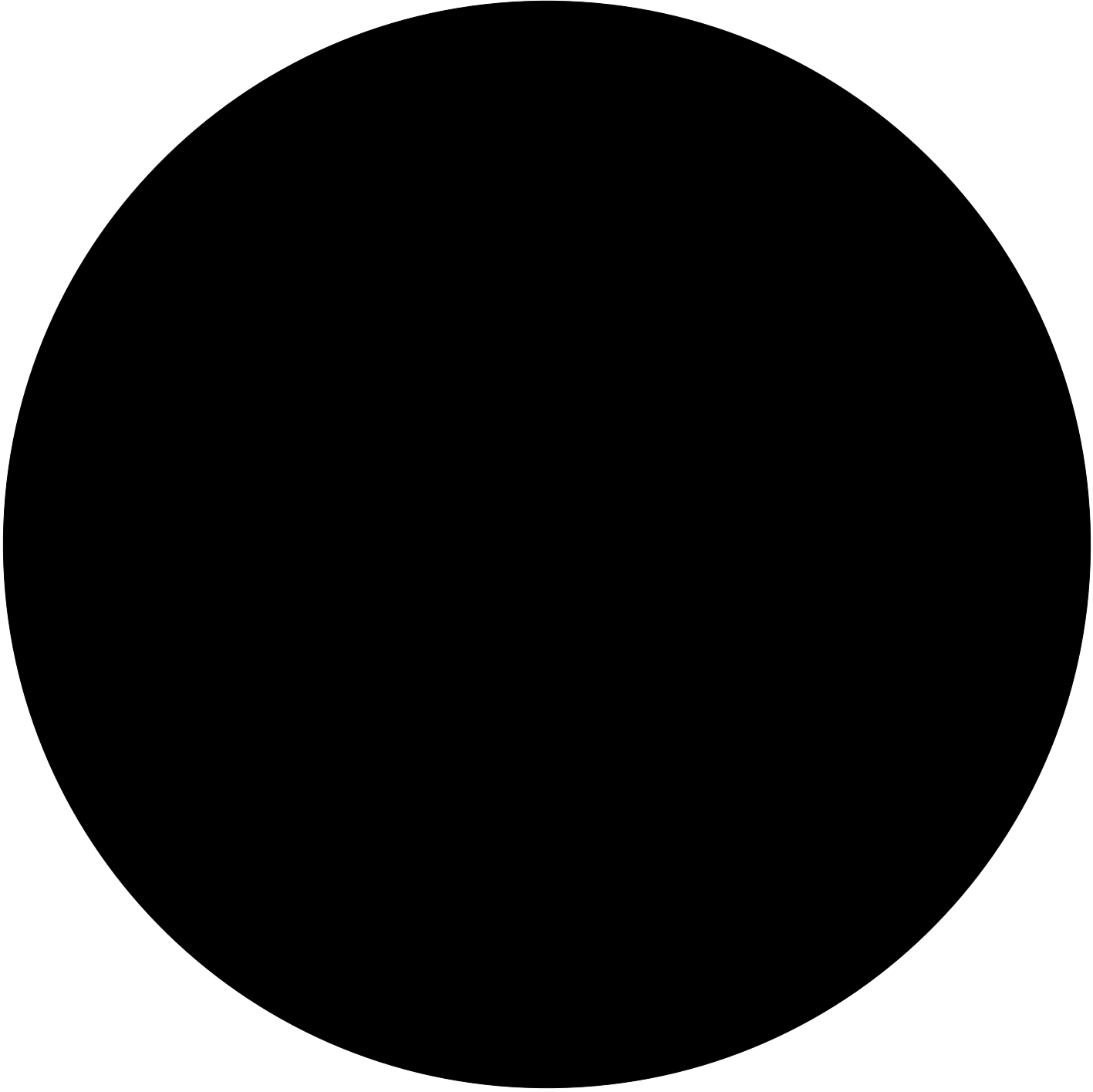
6

7

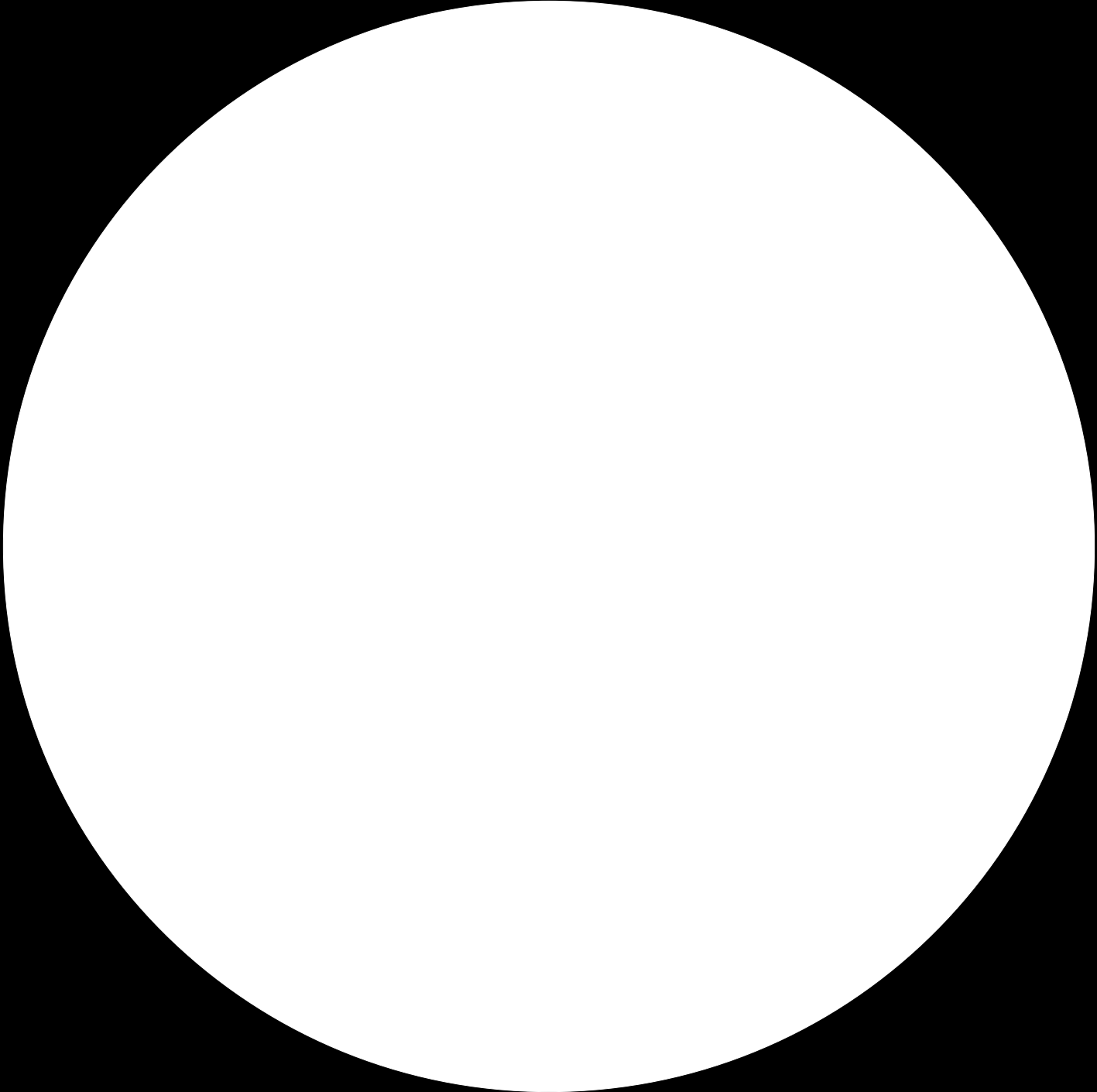
8

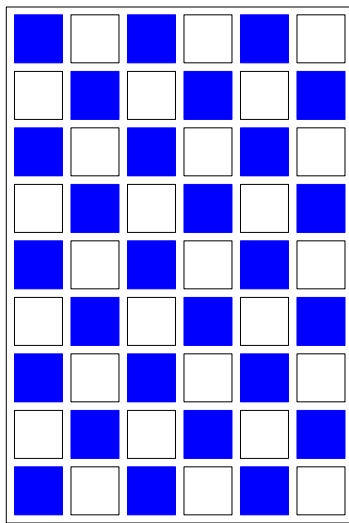
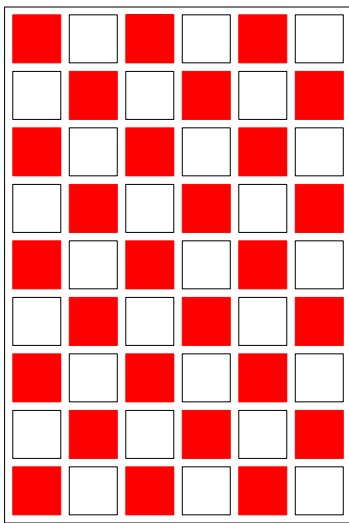
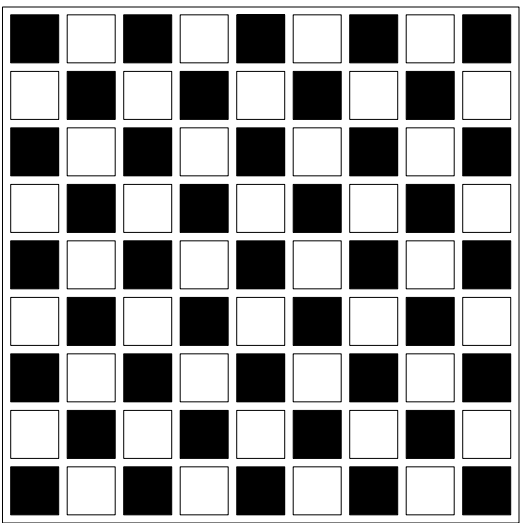
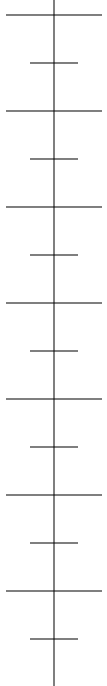
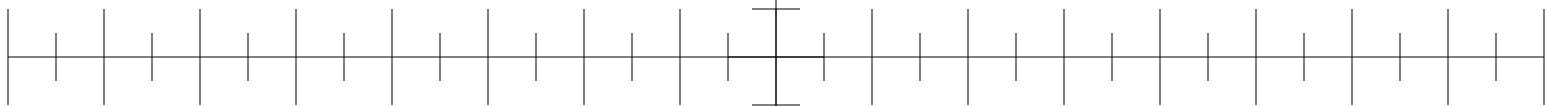
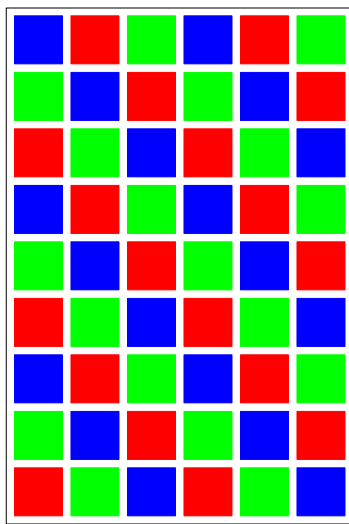
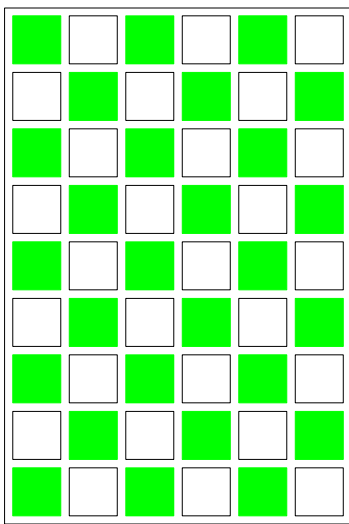
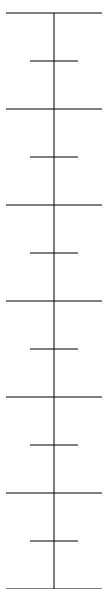
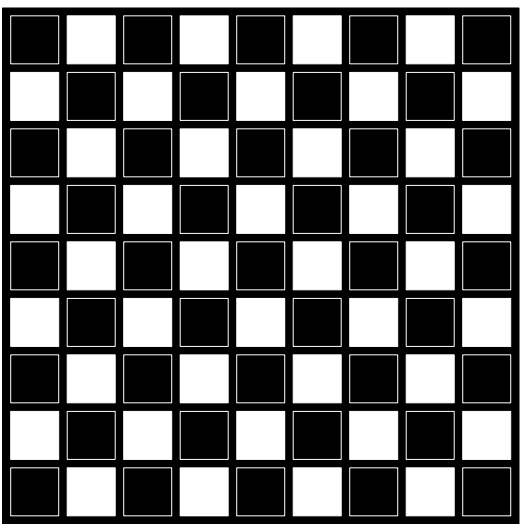
9

10

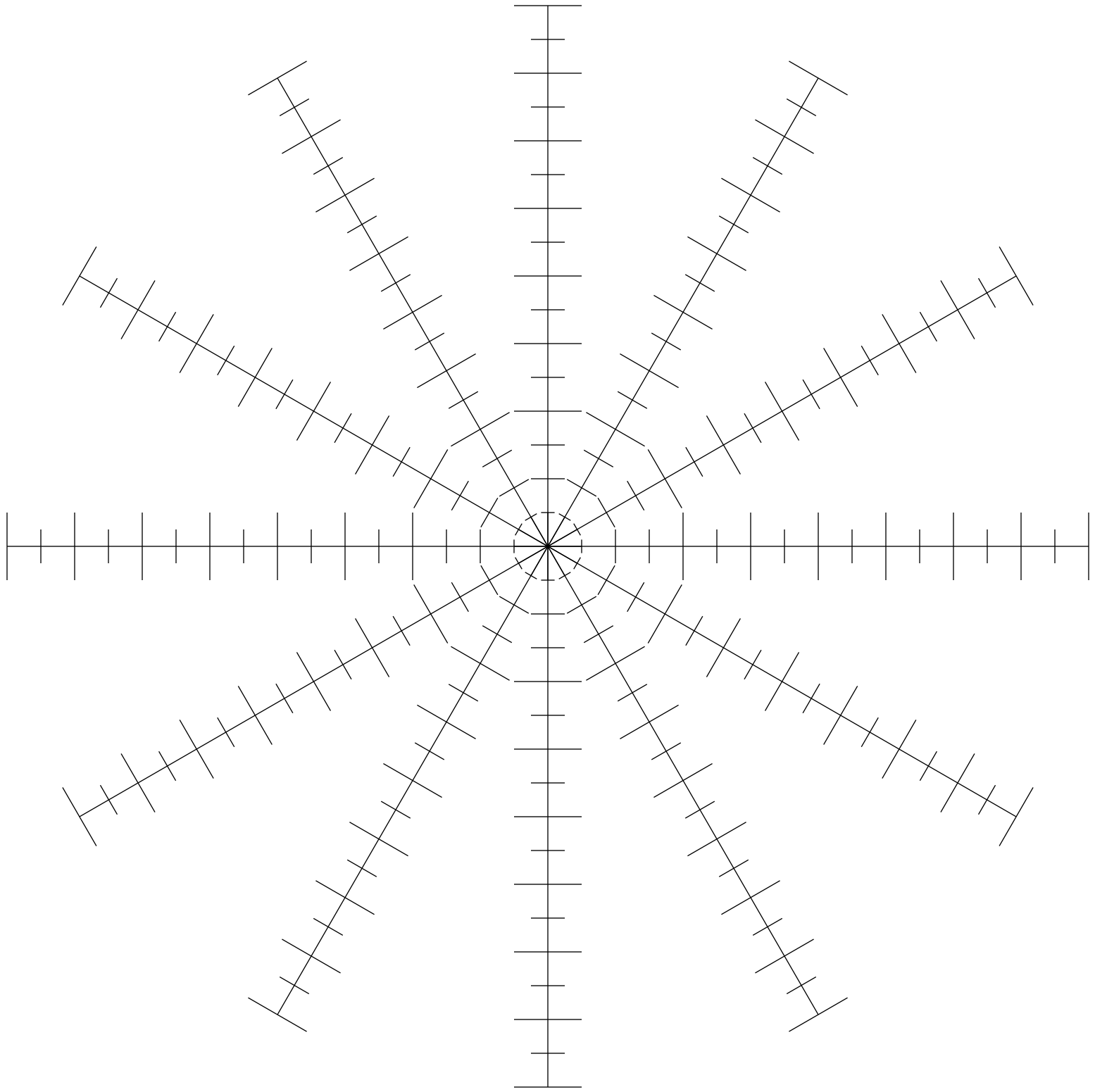


#4



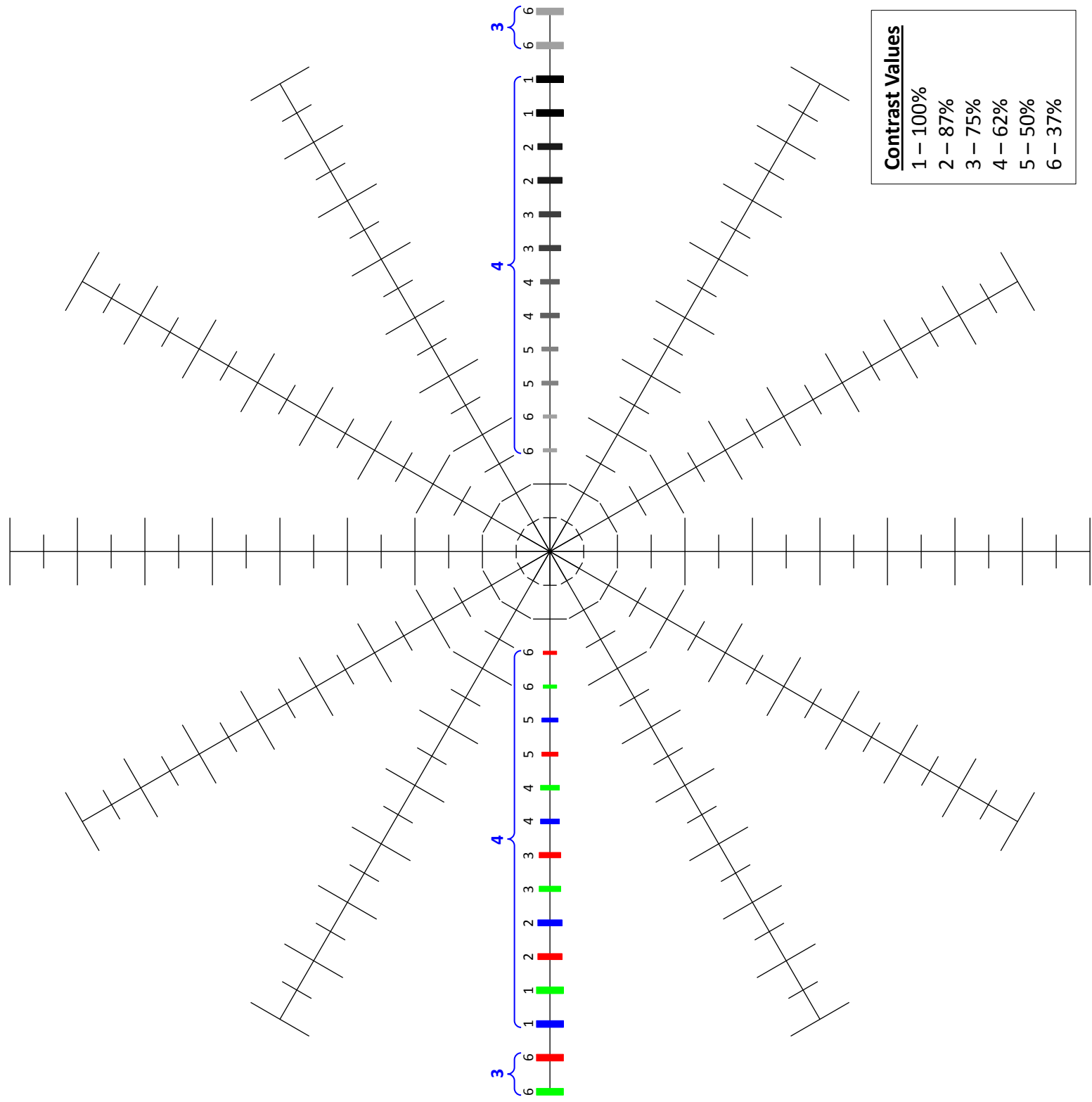


#6



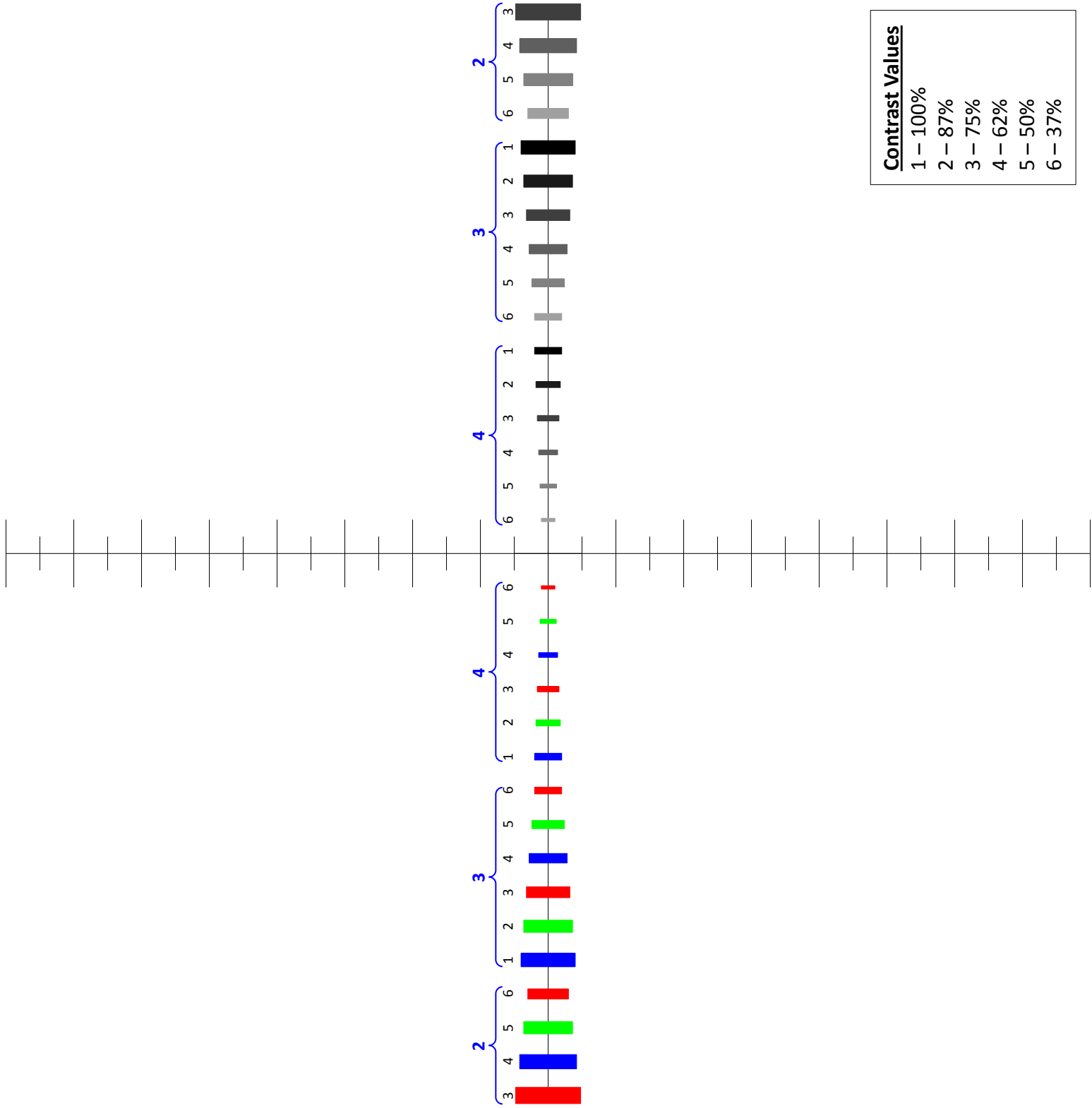
#7

#8





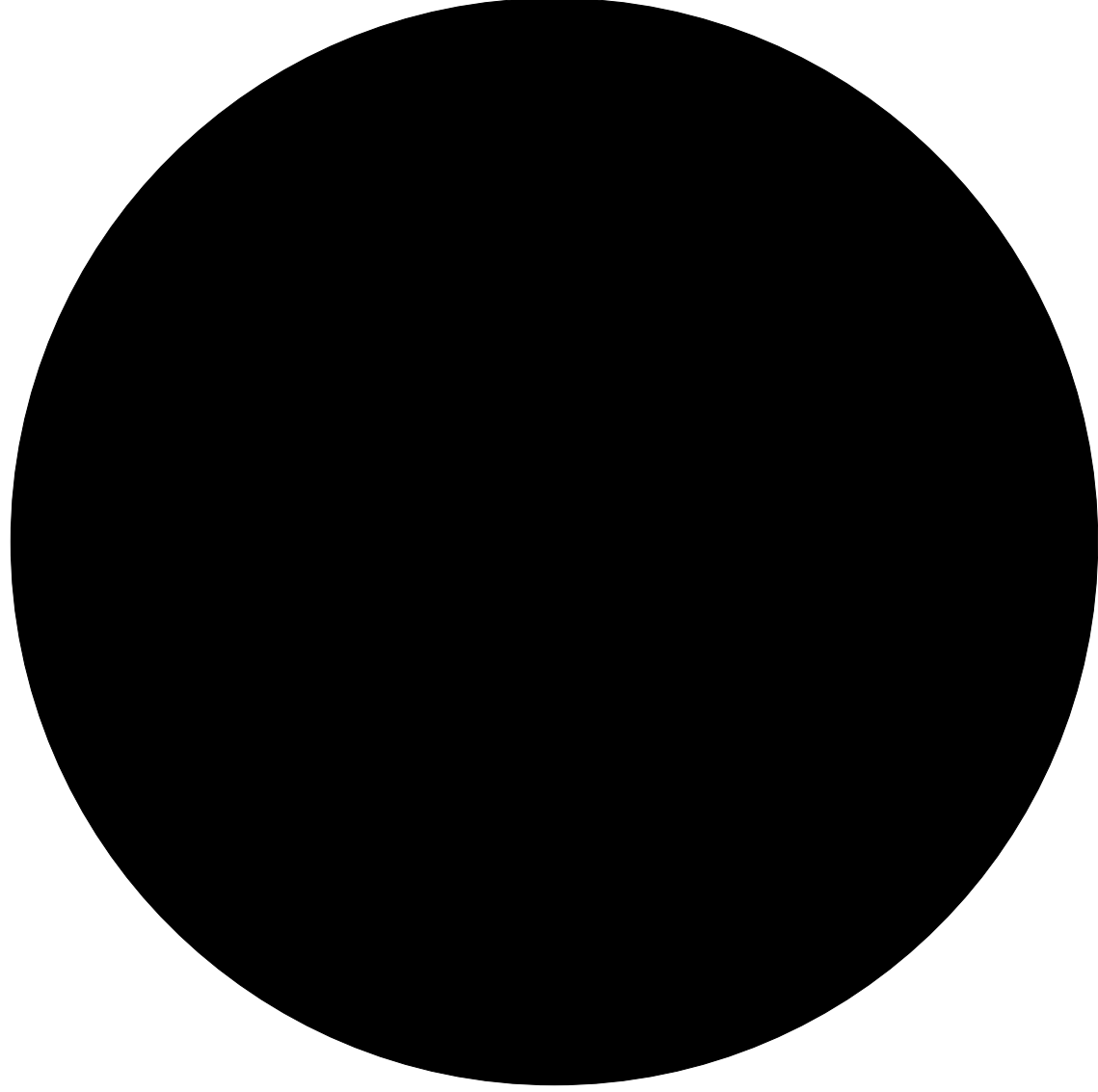
#9



Contrast Values	
1	100%
2	87%
3	75%
4	62%
5	50%
6	37%

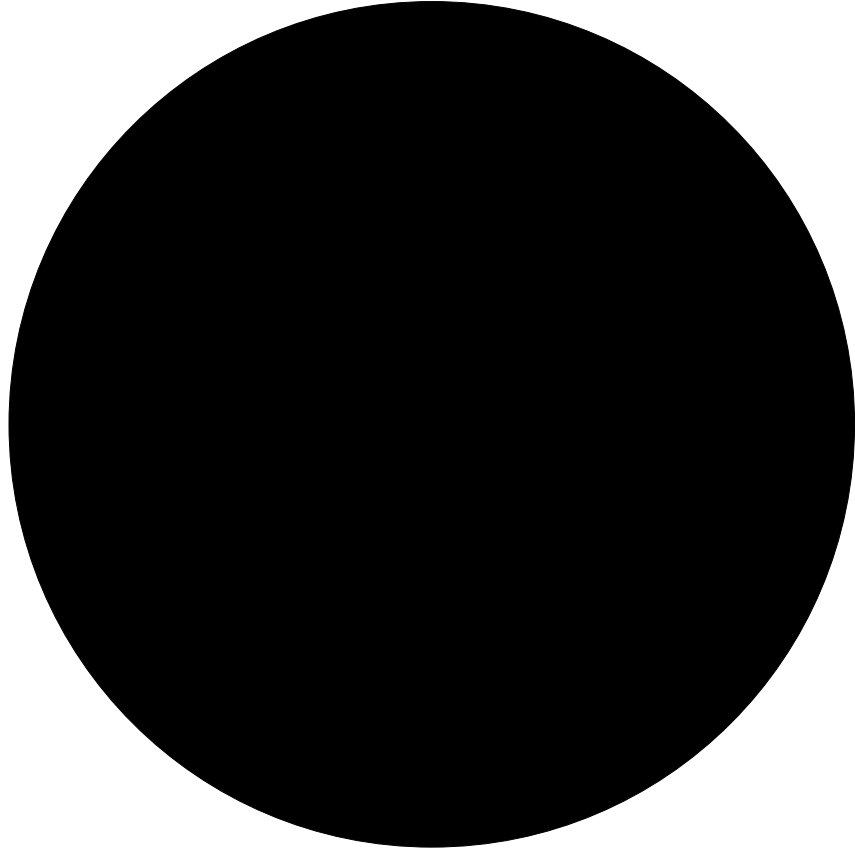
#10

1

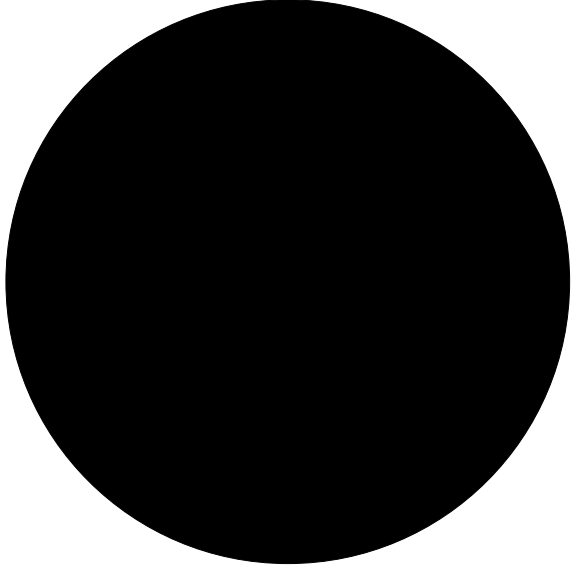


#11

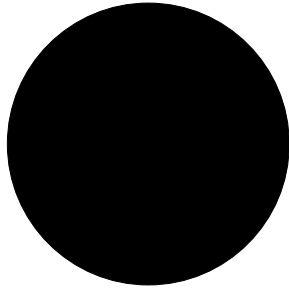
2



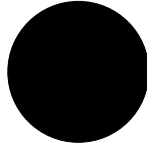
3



4



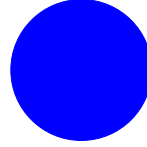
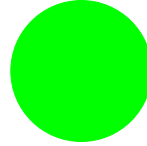
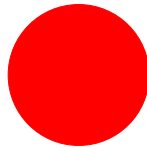
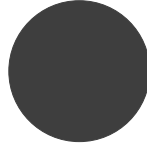
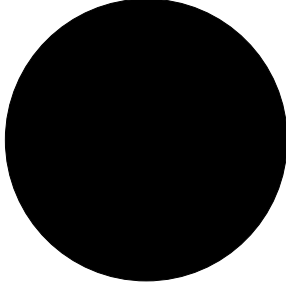
5



6



7



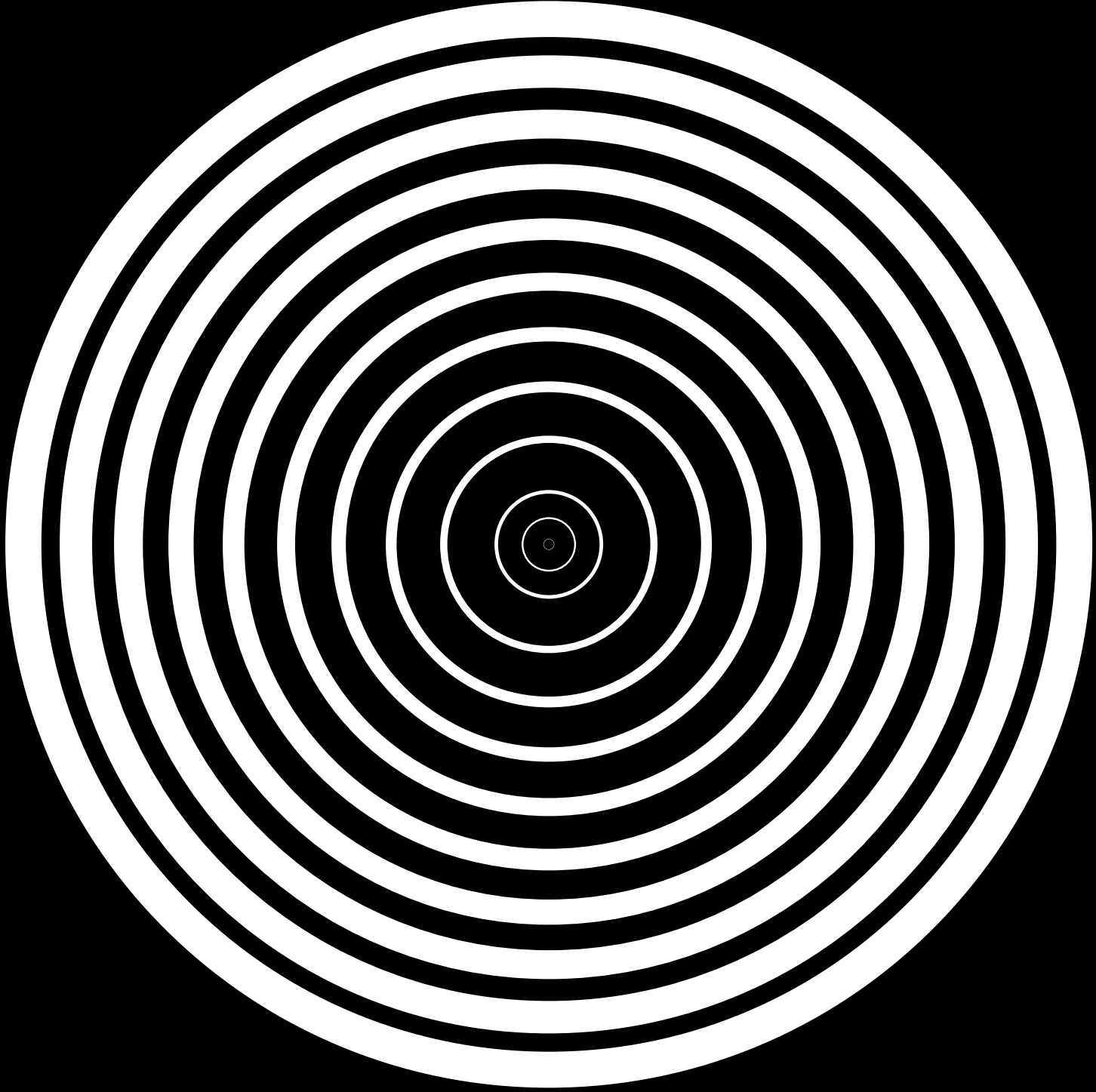
**Contrast Values**

4 – 100%

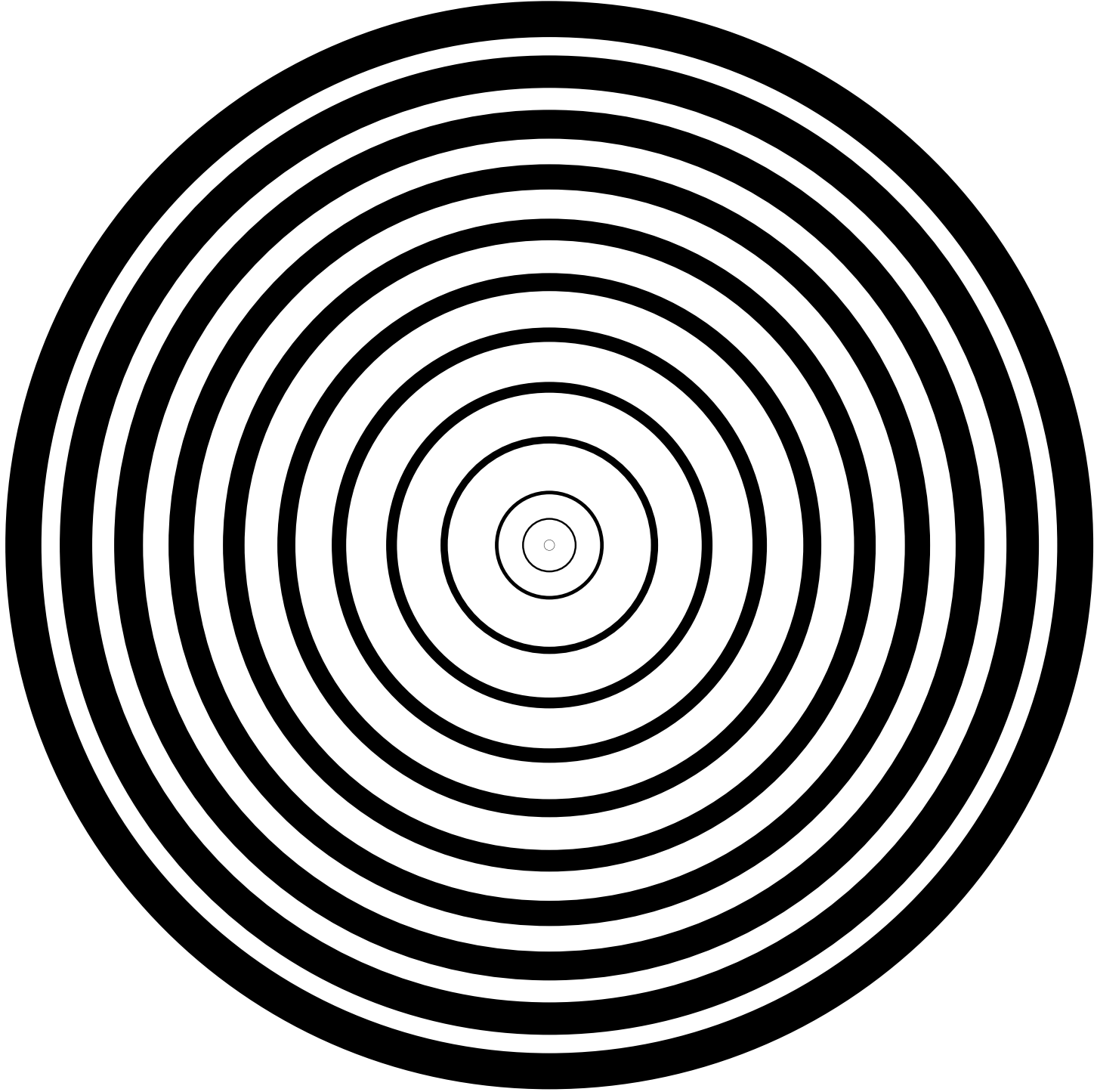
5 – 75%

6 – 50%

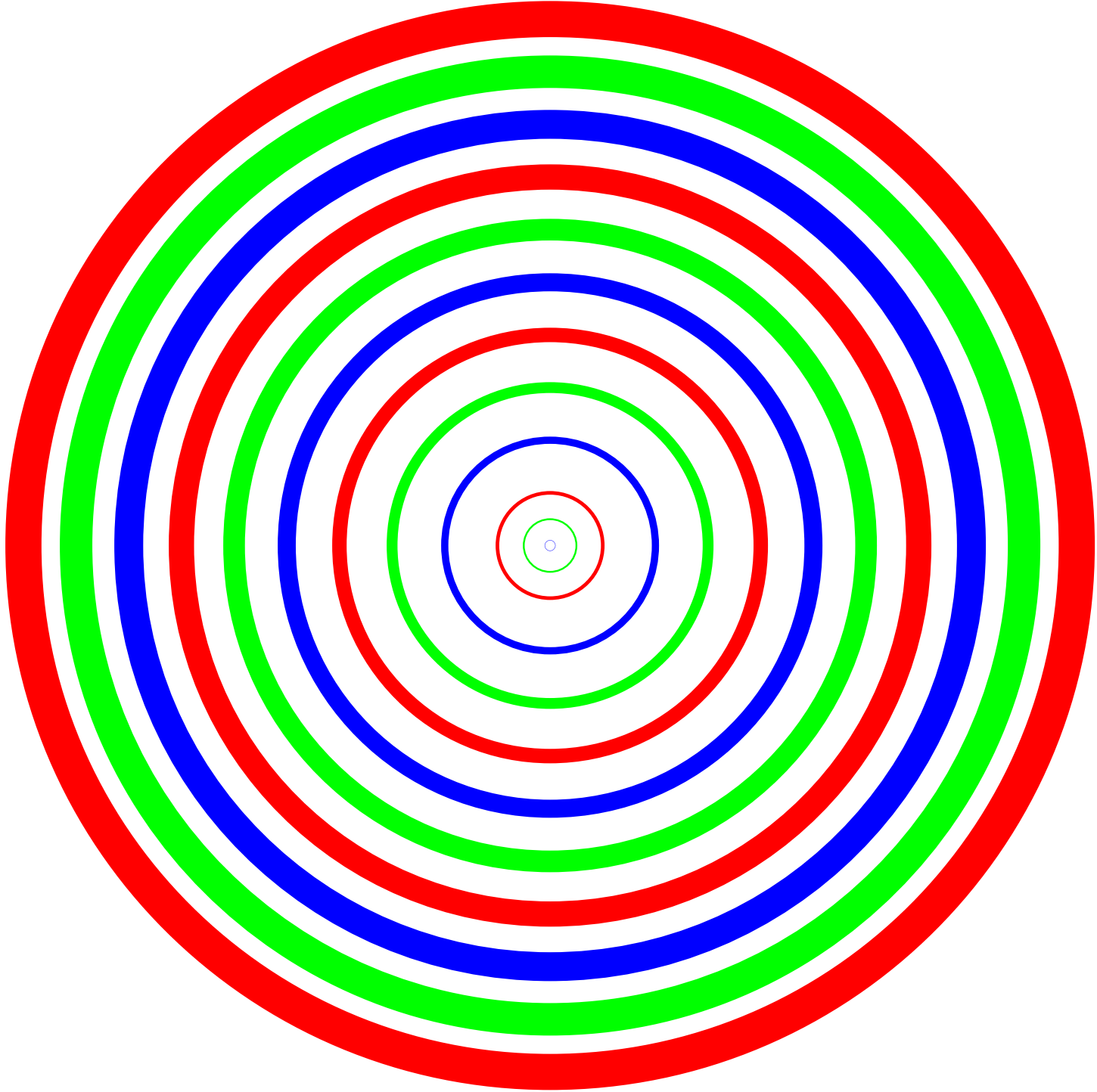
7 – 25%



#12



#13



#14

# INTERNATIONAL HYPER SPECTRAL CALIBRATION STANDARD

## LEGEND

### TEMPLATE 1 & 2

-3,1: 1.6 in / 40.64 mm x 0.4 in / 10.16 mm  
-3,2: 1.44 in / 36.576 mm x 0.36 in / 9.144 mm  
-3,3: 1.28 in / 32.512 mm x 0.32 in / 8.128 mm  
-3,4: 1.12 in / 28.448 mm x 0.28 in / 7.112 mm  
-3,5: 0.96 in / 24.384 mm x 0.24 in / 6.096 mm  
-3,6: 0.8 in / 20.32 mm x 0.2 in / 5.08 mm

-2,1: 1.4 in / 35.56 mm x 0.35 in / 8.89 mm  
-2,2: 1.26 in / 32.004 mm x 0.315 in / 8.001 mm  
-2,3: 1.12 in / 28.448 mm x 0.28 in / 7.112 mm  
-2,4: 0.98 in / 24.892 mm x 0.245 in / 6.223 mm  
-2,5: 0.84 in / 21.336 mm x 0.21 in / 5.334 mm  
-2,6: 0.7 in / 17.78 mm x 0.175 in / 4.445 mm

-1,1: 1.2 in / 30.48 mm x 0.3 in / 7.62 mm  
-1,2: 1.08 in / 27.432 mm x 0.27 in / 6.858 mm  
-1,3: 0.96 in / 24.384 mm x 0.24 in / 6.096 mm  
-1,4: 0.84 in / 21.336 mm x 0.21 in / 5.334 mm  
-1,5: 0.72 in / 18.288 mm x 0.18 in / 4.572 mm  
-1,6: 0.6 in / 15.24 mm x 0.15 in / 3.81 mm

0,1: 1 in / 25.4 mm x 0.25 in / 6.35 mm  
0,2: 0.9 in / 22.86 mm x 0.225 in / 5.715 mm  
0,3: 0.8 in / 20.32 mm x 0.2 in / 5.08 mm  
0,4: 0.7 in / 17.78 mm x 0.175 in / 4.445 mm  
0,5: 0.6 in / 15.24 mm x 0.15 in / 3.81 mm  
0,6: 0.5 in / 12.7 mm x 0.125 in / 3.175 mm

### TEMPLATE 3

1: 10 in / 254 mm x 0.5 in / 12.7 mm  
2: 9 in / 228.6 mm x 0.5 in / 12.7 mm  
3: 8 in / 203.2 mm x 0.5 in / 12.7 mm  
4: 7 in / 177.8 mm x 0.5 in / 12.7 mm  
5: 6 in / 152.4 mm x 0.5 in / 12.7 mm  
6: 5 in / 127 mm x 0.5 in / 12.7 mm  
7: 4 in / 101.6 mm x 0.5 in / 12.7 mm  
8: 3 in / 76.2 mm x 0.5 in / 12.7 mm  
9: 2 in / 50.8 mm x 0.5 in / 12.7 mm  
10: 1 in / 25.4 mm x 0.5 in / 12.7 mm  
11: 0.5 in / 12.7 mm x 0.5 in / 12.7 mm  
12: 0.25 in / 6.35 mm x 0.5 in / 12.7 mm  
13: 0.125 in / 3.175 mm x 0.5 in / 12.7 mm  
14: 0.063 in / 1.588 mm x 0.5 in / 12.7 mm  
15: 0.031 in / 0.794 mm x 0.5 in / 12.7 mm  
16: 0.016 in / 0.397 mm x 0.5 in / 12.7 mm

### TEMPLATE 4 & 5

Circle Diameter Sizes:  
7.34 in / 186.436 mm

### TEMPLATE 6 & 9

Minor Lines: 0.25 in / 6.35 mm  
Major Lines: 0.5 in / 12.7 mm  
Spacing: 0.25 in / 6.35 mm  
Checkerboard:

Line Width: 0.04 in / 1.016 mm

Square Size: 0.25 in / 6.35 mm x 0.25 in / 6.35 mm

1,1: 0.8 in / 20.32 mm x 0.2 in / 5.08 mm  
1,2: 0.72 in / 18.288 mm x 0.18 in / 4.572 mm  
1,3: 0.64 in / 16.256 mm x 0.16 in / 4.064 mm  
1,4: 0.56 in / 14.224 mm x 0.14 in / 3.556 mm  
1,5: 0.48 in / 12.192 mm x 0.12 in / 3.048 mm  
1,6: 0.4 in / 10.16 mm x 0.1 in / 2.54 mm

2,1: 0.6 in / 15.24 mm x 0.15 in / 3.81 mm  
2,2: 0.54 in / 13.716 mm x 0.135 in / 3.429 mm  
2,3: 0.48 in / 12.192 mm x 0.12 in / 3.048 mm  
2,4: 0.42 in / 10.668 mm x 0.105 in / 2.667 mm  
2,5: 0.36 in / 9.144 mm x 0.09 in / 2.286 mm  
2,6: 0.3 in / 7.62 mm x 0.075 in / 1.905 mm

3,1: 0.4 in / 10.16 mm x 0.1 in / 2.54 mm  
3,2: 0.36 in / 9.144 mm x 0.09 in / 2.286 mm  
3,3: 0.32 in / 8.128 mm x 0.08 in / 2.032 mm  
3,4: 0.28 in / 7.112 mm x 0.07 in / 1.778 mm  
3,5: 0.24 in / 6.096 mm x 0.06 in / 1.524 mm  
3,6: 0.2 in / 5.08 mm x 0.05 in / 1.27 mm

4,1: 0.2 in / 5.08 mm x 0.05 in / 1.27 mm  
4,2: 0.18 in / 4.572 mm x 0.045 in / 1.143 mm  
4,3: 0.16 in / 4.064 mm x 0.04 in / 1.016 mm  
4,4: 0.14 in / 3.556 mm x 0.035 in / 0.889 mm  
4,5: 0.12 in / 3.048 mm x 0.03 in / 0.762 mm  
4,6: 0.1 in / 2.54 mm x 0.025 in / 0.635 mm

### TEMPLATE 7 & 8

Minor Lines: 0.25 in / 6.35 mm  
Major Lines: 0.5 in / 12.7 mm  
Spacing: 0.25 in / 6.35 mm  
Axis Rotation: 30 degrees

### TEMPLATE 10 & 11

Circle Diameter Sizes:  
5.872 in / 149.149 mm  
4.404 in / 111.862 mm  
2.936 in / 74.574 mm  
1.468 in / 37.287 mm  
0.734 in / 18.644 mm  
0.367 in / 9.322 mm  
0.073 in / 1.864 mm

### TEMPLATE 12, 13, & 14

Ring Sizes:

Outer Diameter:	Inner Diameter:	Thickness:
7.5 in / 190.5 mm	7.25 in / 184.15 mm	0.25 in / 6.35 mm
6.75 in / 171.45 mm	6.525 in / 165.735 mm	0.225 in / 5.715 mm
6 in / 152.4 mm	5.8 in / 147.32 mm	0.2 in / 5.08 mm
5.25 in / 133.35 mm	5.075 in / 128.905 mm	0.175 in / 4.445 mm
4.5 in / 114.3 mm	4.35 in / 110.49 mm	0.15 in / 3.81 mm
3.75 in / 95.25 mm	3.625 in / 92.075 mm	0.125 in / 3.175 mm
3 in / 76.2 mm	2.9 in / 73.66 mm	0.1 in / 2.54 mm
2.25 in / 57.15 mm	2.175 in / 55.245 mm	0.075 in / 1.905 mm
1.5 in / 38.1 mm	1.45 in / 36.83 mm	0.05 in / 1.27 mm
0.75 in / 19.05 mm	0.725 in / 18.415 mm	0.025 in / 0.635 mm
0.375 in / 9.525 mm	0.3625 in / 9.2075 mm	0.0125 in / 0.3175 mm
0.075 in / 1.905 mm	0.0725 in / 1.8415 mm	0.0025 in / 0.0635 mm