Relative and scaled visual differences; triplets and pairs; 6 step interval scaling

relative visual scale $\Delta V_{3,i}$ (i=0,1) range 0 to 1

pair comparison *(P)* to grey − turquoise $\Delta P^*_i : \Delta V^*_R = 10$

relative visual scale $\Delta V_{6,i}$ (i=0,4) ranges G_Z and Z_M

scaled visual data $\Delta V^*_i = \Delta V_{6,i} \cdot \Delta P^*_i$ (i=0,4)

0 a_i 1

G M

0 0,60 1

$\Delta V_{3,i}$ 0,60 0,40

0,56=14,3/25,6=ΔP^*_0 / ΔS^*

0,44=11,3/25,6=ΔP^*_1 / ΔS^*

(pair comparison, $\Delta S^* = \Delta P^*_0 + \Delta P^*_1$)

wiewing situation

G=0 M=10

0 ... 10 colour step G...Z...M

ΔP^*_0=14,3

G Z

ΔV^*_0=15,4=0,6·25,6 =$\Delta V_{3,0} \cdot \Delta S^*$

ΔS^*=25,6 =14,3+11,3

ΔP^*_1=11,3

Z M

ΔV^*_1=10,2=0,4·25,6 =$\Delta V_{3,1} \cdot \Delta S^*$

ΔV^*_R=10,0

Z T

reference pair

G greenish Z

0	1	5	0,20	14,3	2.86	2,86
0	2	5	0,40	14,3	5.72	2,86
0	3	5	0,60	14,3	8.58	2,86
0	4	5	0,80	14,3	11.44	2,86

Z redish M

5	6	10	0,20	11,3	2.26	2,26
5	7	10	0,40	11,3	4.52	2,26
5	8	10	0,60	11,3	6.78	2,26
5	9	10	0,80	11,3	9.04	2,26

$\Delta V_{6,i}$ ΔP^*_i ΔV^*_i ΔV^*_{ri}

relative triplet scaling | pair comparison | slider to adjust the sample | final scaled data