

Sonntag, 25. April 2021 16:47

Grading by line means, that the given color palette is stretched to a larger number of entries. Please find a sample below with 4 colors stretched to 20 entries in total.

Color 1
Color 2
Color 3
Color 4

Grading 20

Colors	Steps	Grading
Color 1		0 / 6
Color 1.1	i=0	1 / 6
Color 1.2	i=1	2 / 6
Color 1.3	i=2	3 / 6
Color 1.4	i=3	4 / 6
Color 1.5	i=4	5 / 6
Color 2		6 / 6
Color 2.1	i=5	1 / 6
Color 2.2	i=6	2 / 6
Color 2.3	i=7	3 / 6
Color 2.4	i=8	4 / 6
Color 2.5	i=9	5 / 6
Color 3		6 / 6
Color 3.1	i=10	1 / 7
Color 3.2	i=11	2 / 7
Color 3.3	i=12	3 / 7
Color 3.4	i=13	4 / 7
Color 3.5	i=14	5 / 7
Color 3.6	i=15	6 / 7
Color 4		7 / 7

$stn * (nC - 1) + nC = gr \quad | \quad -nC$
 $6 * (4-1) + 4 = 22$

$stn * (nC-1) = gr - nC \quad | \quad / (nC-1)$
 $stn = (gr - nC) / (nC - 1)$

$(20 - 4) / (4 - 1) = 5,3333 \quad | \quad (5 \text{ Rest } 1)$

Step: 5, then assign the rest starting from the back as one step more:
 $\Rightarrow 5,5,6$

Grading:
 $grn = stn + 1$

At least:
 Grading $\geq (nC - 1) + nC$
 Grading $\geq 2nC - 1$