

**Pairwise comparisons of thresholds across illumination-change directions for each reference illumination condition.** Results are shown for each set of lookup tables. *N/A* indicates that the original ANOVA was not significant and hence pairwise comparisons were not considered while *n.s.* indicates that pairwise comparison was not significant. The highest threshold is indicated in brackets after the p-value (first letter of illumination-change direction).

Reference	Pairwise Comparison	Fixed White Point Lookup Tables	Image Mean Lookup Tables	Variable White Point Lookup Tables
Neutral	Bluer-yellow	N/A	N/A	N/A
	Bluer-greener	N/A	N/A	N/A
	Bluer-redder	N/A	N/A	N/A
	Yellower-greener	N/A	N/A	N/A
	Yellower-redder	N/A	N/A	N/A
	Greener-redder	N/A	N/A	N/A
Blue	Bluer-yellow	n.s.	n.s.	n.s.
	Bluer-greener	n.s.	n.s.	n.s.
	Bluer-redder	p = .017 (B)	n.s.	p = .013 (B)
	Yellower-greener	p = .041 (Y)	n.s.	p = .045 (Y)
	Yellower-redder	p = .004 (Y)	p = .026 (Y)	p = .003 (Y)
	Greener-redder	n.s.	n.s.	n.s.
Green	Bluer-yellow	n.s.	N/A	N/A
	Bluer-greener	n.s.	N/A	N/A
	Bluer-redder	n.s.	N/A	N/A
	Yellower-greener	n.s.	N/A	N/A
	Yellower-redder	n.s.	N/A	N/A
	Greener-redder	n.s.	N/A	N/A
Red	Bluer-yellow	n.s.	n.s.	n.s.
	Bluer-greener	n.s.	n.s.	n.s.
	Bluer-redder	p = .006 (B)	p = .026 (B)	p = .006 (B)
	Yellower-greener	n.s.	n.s.	n.s.
	Yellower-redder	p = .008 (Y)	n.s.	p = .010 (Y)

	Greener-redder	p = .012 (G)	p = .010 (G)	p = .010 (G)
Yellow	Bluer-yellower	N/A	N/A	N/A
	Bluer-greener	N/A	N/A	N/A
	Bluer-redder	N/A	N/A	N/A
	Yellower-greener	N/A	N/A	N/A
	Yellower-redder	N/A	N/A	N/A
	Greener-redder	N/A	N/A	N/A

**Pairwise comparisons of thresholds across reference conditions for each illumination-change direction.** Results are shown for each set of lookup tables. *N/A* indicates that the original ANOVA was not significant and hence pairwise comparisons were not considered while *n.s.* indicates that pairwise comparison was not significant. The highest threshold is indicated in brackets after the p-value (first letter of illumination-change direction).

<b>Illumination-change Direction</b>	<b>Pairwise Comparison</b>	<b>Fixed White Point Lookup Tables</b>	<b>Image Mean Lookup Tables</b>	<b>Variable White Point Lookup Tables</b>
Bluer	Neutral-blue	n.s.	N/A	n.s.
Bluer	Neutral-yellow	n.s.	N/A	n.s.
Bluer	Neutral-green	n.s.	N/A	n.s.
Bluer	Neutral-red	n.s.	N/A	n.s.
Bluer	Blue-yellow	n.s.	N/A	n.s.
Bluer	Blue-green	n.s.	N/A	n.s.
Bluer	Blue-red	n.s.	N/A	n.s.
Bluer	Yellow-green	n.s.	N/A	n.s.
Bluer	Yellow-red	n.s.	N/A	n.s.
Bluer	Green-red	n.s.	N/A	n.s.
Yellower	Neutral-blue	p = .006 (B)	p = .010 (B)	p = .005 (B)
Yellower	Neutral-yellow	n.s.	n.s.	n.s.
Yellower	Neutral-green	n.s.	n.s.	n.s.
Yellower	Neutral-red	n.s.	n.s.	n.s.

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Yellower	Blue-yellow	p = .005 (B)	p = .026 (B)	p = .004 (B)
Yellower	Blue-green	p = .002 (B)	p = .011 (B)	p = .004 (B)
Yellower	Blue-red	n.s.	n.s.	n.s.
Yellower	Yellow-green	n.s.	n.s.	n.s.
Yellower	Yellow-red	p = .005 (R)	n.s.	p = .007 (R)
Yellower	Green-red	p = .011 (R)	n.s.	p = .029 (R)
Greener	Neutral-blue	n.s.	n.s.	n.s.
Greener	Neutral-yellow	n.s.	n.s.	n.s.
Greener	Neutral-green	n.s.	n.s.	n.s.
Greener	Neutral-red	p = .039 (R)	p = .020 (R)	p = .028 (R)
Greener	Blue-yellow	n.s.	n.s.	n.s.
Greener	Blue-green	n.s.	n.s.	n.s.
Greener	Blue-red	n.s.	n.s.	n.s.
Greener	Yellow-green	n.s.	n.s.	n.s.
Greener	Yellow-red	p < .001 (R)	p < .001 (R)	p < .001 (R)
Greener	Green-red	p = .003 (R)	p = .003 (R)	p = .004 (R)
Redder	Neutral-blue	N/A	N/A	N/A
Redder	Neutral-yellow	N/A	N/A	N/A
Redder	Neutral-green	N/A	N/A	N/A
Redder	Neutral-red	N/A	N/A	N/A
Redder	Blue-yellow	N/A	N/A	N/A
Redder	Blue-green	N/A	N/A	N/A
Redder	Blue-red	N/A	N/A	N/A
Redder	Yellow-green	N/A	N/A	N/A
Redder	Yellow-red	N/A	N/A	N/A
Redder	Green-red	N/A	N/A	N/A