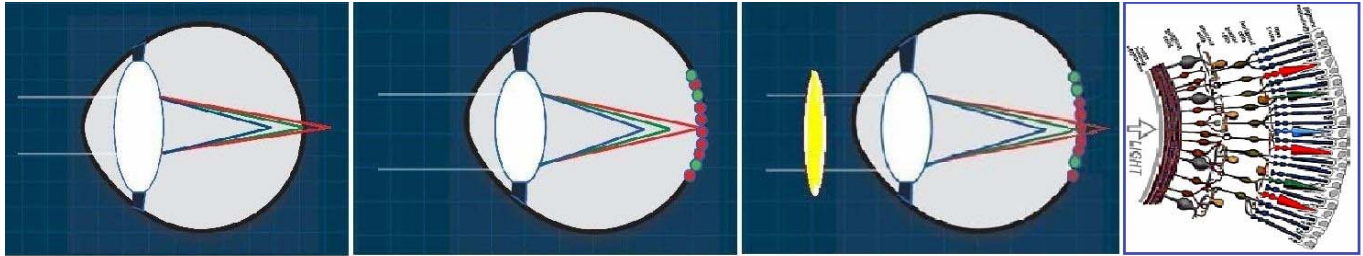


Dyop® / ViewChroma® Color Acuity Response Form

Contact Allan@Dyop.org for access to the experimental test



Green-Focused Vision

Red-Focused Vision

Chromatic Modulation

Photoreceptors

Context Based Vision

Image Based Vision

GFV - 50% red / 45% green / 5% blue

RFV - 75% red / 20% green / 5% blue

Subject Name: _____ Test Date: _____ OD/OS/OU: _____

Select a Dyop® color combination (below) and record the responses as the arc width Endpoint.

The smallest Black/White-on-Gray arc width Dyop® detected as spinning is the Acuity Endpoint benchmark.

A Black/White-on-Gray Dyop® acuity endpoint of 7.6 arc minutes is equivalent to 20/20 Snellen acuity.

Acuity (accommodation) is typically regulated by the relative focal depth of red and green light.

Green-on-White Dyop® acuity endpoint **smaller** than a Blue-on-Black acuity endpoint indicates **Context-Based Vision**.

A Blue-on-Black Dyop® acuity endpoint **smaller** than a Green-on-White acuity endpoint indicates **Image-Based Vision**.

Color	Hex	RGB	Color	Hex	RGB	Color	Hex	RGB	Color	Hex	RGB
G1-White	FFFFFF	255.255.255	G4	666666	102.102.102	Red	FF0000	255.0.0	Amber	FFFF00	255.255.0
G2	CCCCCC	204.204.204	G5	333333	51.51.51	Green	00FF00	0.255.0	Blue	0000FF	0.0.255
G3	999999	153.153.153	G6-Black	000000	0.0.0						

Select a Dyop® color combination (below) to begin the test. The smallest arc width Dyop® diameter where spinning is detected is the color acuity endpoint. Benchmark Dyops® are circled in yellow.											Chromatic Screening		
											Dual colors need dual rotation		
											Preference	Green/White	Blue/Green
											Check		
Dyop Color/Contrast	Basic Acuity – Gray 3 Background – RGB 153					Gray 4 Background – RGB 102							
Arc Width	Acuity	Blue	Green	Amber	Red	Acuity	Blue	Green	Amber	Red			
Dyop Color/Contrast	Gray 2 Background – RGB 204					Gray 5 Background – RGB 051							
Arc Width	Acuity	Blue	Green	Amber	Red	Acuity	Blue	Green	Amber	Red			
Dyop Color/Contrast	White Background – RGB 255					Black Background – RGB 000							
Arc Width	Acuity	Blue	Green	Amber	Red	Acuity	Blue	Green	Yellow	Red			