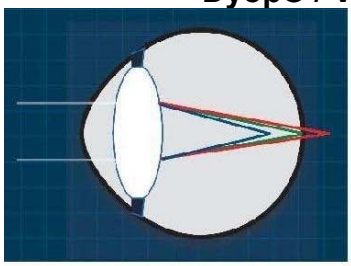
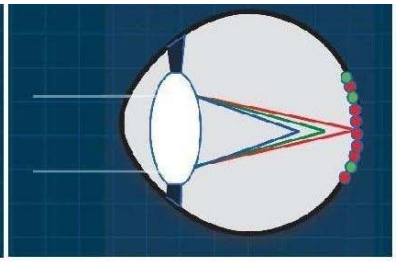
Dyop® / ViewChroma® Chromatic Assessment Response Form



Green-Focused Vision

Letter-based Vision

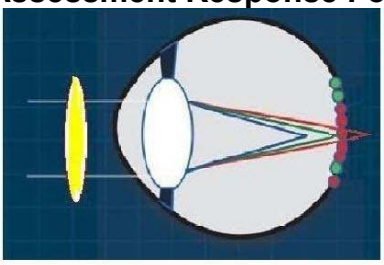
GFV - 50% red / 45% green / 5% blue



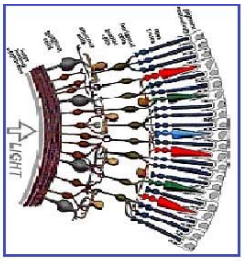
Red-Focused Vision

Graphic Vision

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



Chromatic Modulation



Photoreceptors

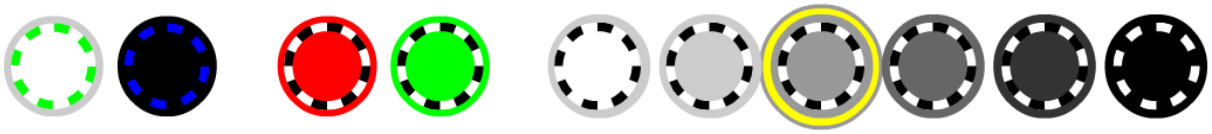
Subject Name: _____ **Test Date:** _____ **OD/OS/OU:** _____

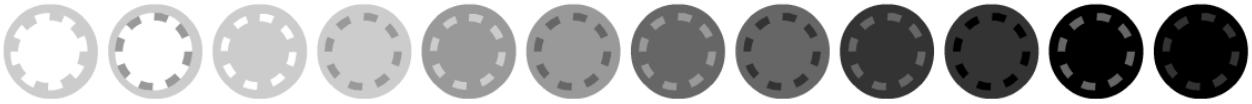
Acuity (accommodation) is typically regulated by the relative focal depth of red and green light.
Select a Dyop® color combination (below) and record the responses as the arc width Endpoint.
The **Dyop® Acuity Endpoint** for each color/contrast is the smallest angular arc width detected as rotating.
The smallest **Black/White-on-Gray** arc width Dyop® detected as rotating is the **Acuity Endpoint benchmark**.
A Dyop® angular arc width of 7.6 arc minutes is equivalent to 20/20 Snellen acuity.
A Green-on-White Dyop® acuity endpoint smaller than a Blue-on-Black acuity endpoint indicates Green-Focused (Letter) Vision.
A Blue-on-Black Dyop® acuity endpoint smaller than Green-on-White acuity endpoint indicates Red-Focused (Graphic) Vision.

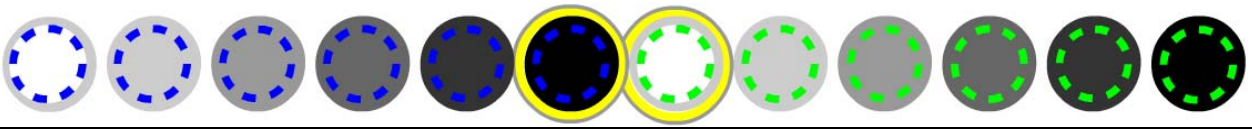
Color	Hex	RGB
G1-White	FFFFFF	255.255.255
G2	CCCCCC	204.204.204
G3	999999	153.153.153

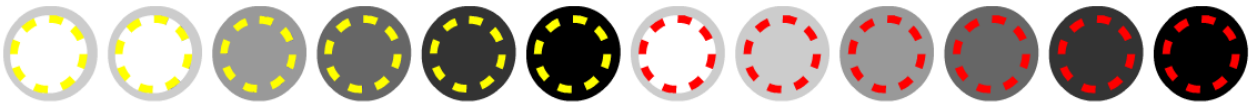
Color	Hex	RGB
G4	666666	102.102.102
G5	333333	51.51.51
G6-Black	000000	0.0.0

Color	Hex	RGB	Color	Hex	RGB
Red	FF0000	255.0.0	Amber	FFFF00	255.255.0
Green	00FF00	0.255.0	Blue	0000FF	0.0.255

Dyop Color/Contrast												
												
Arc Width	Green/White	Blue/Black		BW/Red	BW/Green		Black/White 255.255.255	Black/White 204.204.204	Black/White 153.153.153	Black/White 102.102.102	Black/White 51.51.51	Black/White 0.0.0

Dyop Color/Contrast												
												
Arc Width	204/255	153/255	255/204	153/204	204/153	102/153	153/102	51/102	102/51	0/51	102/0.0.0	51/0.0.0

Dyop Color/Contrast												
												
Arc Width	Blue/255	Blue/204	Blue/153	Blue/102	Blue/51	Blue/0.0.0	Green/255	Green/204	Green/153	Green/102	Green/51	Green/0.0.0

Dyop Color/Contrast												
												
Arc Width	Amber/255	Amber/204	Amber/153	Amber/102	Amber/51	Amber/0.0.0	Red/255	Red/204	Red/153	Red/102	Red/51	Red/0.0.0

