

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.

	Hex(666CFF)	Hex(4354E2)	Hex(0B3CC5)	Hex(0027A9)	Hex(00158E)	Hex(000073)	Hex(00065A)	Hex(000741)	Hex(00032A)	Hex(000114)
Hex(666CFF)		Ratio: 1.43 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 3.44 AA 18pt ²	Ratio: 4.13 AA 18pt ²	Ratio: 4.39 AA 18pt ²	Ratio: 4.66 AA ¹ AAA 18pt ⁴	Ratio: 4.93 AA ¹ AAA 18pt ⁴	Ratio: 5.08 AA ¹ AAA 18pt ⁴
Hex(4354E2)	Ratio: 1.43 Failed ⁵		Ratio: 1.46 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 3.07 AA 18pt ²	Ratio: 3.26 AA 18pt ²	Ratio: 3.45 AA 18pt ²	Ratio: 3.55 AA 18pt ²
Hex(0B3CC5)	Ratio: 2.09 Failed ⁵	Ratio: 1.46 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 2.43 Failed ⁵
Hex(0027A9)	Ratio: 2.77 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.84 Failed ⁵
Hex(00158E)	Ratio: 3.44 AA 18pt ²	Ratio: 2.41 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.48 Failed ⁵
Hex(000073)	Ratio: 4.13 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.23 Failed ⁵
Hex(00065A)	Ratio: 4.39 AA 18pt ²	Ratio: 3.07 AA 18pt ²	Ratio: 2.10 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.16 Failed ⁵
Hex(000741)	Ratio: 4.66 AA ¹ AAA 18pt ⁴	Ratio: 3.26 AA 18pt ²	Ratio: 2.23 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.09 Failed ⁵
Hex(00032A)	Ratio: 4.93 AA ¹ AAA 18pt ⁴	Ratio: 3.45 AA 18pt ²	Ratio: 2.36 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.03 Failed ⁵
Hex(000114)	Ratio: 5.08 AA ¹ AAA 18pt ⁴	Ratio: 3.55 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.03 Failed ⁵	

Details can be found at <https://www.w3.org/TR/WCAG20/>.

¹ AA

AA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

² AA 18pt

AA level for large text above 18pt.

³ AAA

AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

⁴ AAA 18pt

AAA level for large text above 18pt.

⁵ Failed

Fails to comply with the Web Content Accessibility Guidelines (WCAG) 2.0.

⁶ Passed

Passes the AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for all text sizes.

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