

Converting Colors - WCAG Matrix

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

	Hex(705CF2)	Hex(5044D5)	Hex(2A2CB9)	Hex(00159D)	Hex(000182)	Hex(000068)	Hex(000A4F)	Hex(000537)	Hex(000221)	Hex(000005)
Hex(705CF2)		Ratio: 1.44 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 3.39 AA 18pt ²	Ratio: 3.75 AA 18pt ²	Ratio: 3.89 AA 18pt ²	Ratio: 4.18 AA 18pt ²	Ratio: 4.37 AA 18pt ²	Ratio: 4.49 AA 18pt ²
Hex(5044D5)	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 3.04 AA 18pt ²	Ratio: 3.12 AA 18pt ²
Hex(2A2CB9)	Ratio: 2.09 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.15 Failed ⁵
Hex(00159D)	Ratio: 2.82 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.59 Failed ⁵
Hex(000182)	Ratio: 3.39 AA 18pt ²	Ratio: 2.36 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.32 Failed ⁵
Hex(000068)	Ratio: 3.75 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.20 Failed ⁵
Hex(000A4F)	Ratio: 3.89 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.15 Failed ⁵
Hex(000537)	Ratio: 4.18 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.07 Failed ⁵
Hex(000221)	Ratio: 4.37 AA 18pt ²	Ratio: 3.04 AA 18pt ²	Ratio: 2.10 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.03 Failed ⁵
Hex(000005)	Ratio: 4.49 AA 18pt ²	Ratio: 3.12 AA 18pt ²	Ratio: 2.15 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.07 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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