

Converting Colors - WCAG Matrix

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

	Hex(A88EF6)	Hex(8C74D9)	Hex(715BBD)	Hex(5543A2)	Hex(3A2D87)	Hex(1B176D)	Hex(000154)	Hex(00003C)	Hex(000225)	Hex(00010E)
Hex(A88EF6)		Ratio: 1.40 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 5.66 AA ¹ AAA 18pt ⁴	Ratio: 6.95 AA ¹ AAA 18pt ⁴	Ratio: 7.38 Passed ⁶	Ratio: 7.60 Passed ⁶	Ratio: 7.78 Passed ⁶
Hex(8C74D9)	Ratio: 1.40 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.04 AA 18pt ²	Ratio: 4.96 AA ¹ AAA 18pt ⁴	Ratio: 5.27 AA ¹ AAA 18pt ⁴	Ratio: 5.42 AA ¹ AAA 18pt ⁴	Ratio: 5.56 AA ¹ AAA 18pt ⁴
Hex(715BBD)	Ratio: 2.00 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 3.47 AA 18pt ²	Ratio: 3.69 AA 18pt ²	Ratio: 3.80 AA 18pt ²	Ratio: 3.89 AA 18pt ²
Hex(5543A2)	Ratio: 2.90 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 2.68 Failed ⁵
Hex(3A2D87)	Ratio: 4.13 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.89 Failed ⁵
Hex(1B176D)	Ratio: 5.66 AA ¹ AAA 18pt ⁴	Ratio: 4.04 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.38 Failed ⁵
Hex(000154)	Ratio: 6.95 AA ¹ AAA 18pt ⁴	Ratio: 4.96 AA ¹ AAA 18pt ⁴	Ratio: 3.47 AA 18pt ²	Ratio: 2.39 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.12 Failed ⁵
Hex(00003C)	Ratio: 7.38 Passed ⁶	Ratio: 5.27 AA ¹ AAA 18pt ⁴	Ratio: 3.69 AA 18pt ²	Ratio: 2.54 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.03 Failed ⁵	Ratio: 1.05 Failed ⁵
Hex(000225)	Ratio: 7.60 Passed ⁶	Ratio: 5.42 AA ¹ AAA 18pt ⁴	Ratio: 3.80 AA 18pt ²	Ratio: 2.62 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.03 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(00010E)	Ratio: 7.78 Passed ⁶	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 3.89 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.05 Failed ⁵	Ratio: 1.02 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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