

Converting Colors - WCAG Matrix

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

	Hex(FC7FFF)	Hex(DE63E2)	Hex(C146C6)	Hex(A427AA)	Hex(88008F)	Hex(6C0075)	Hex(51005C)	Hex(370044)	Hex(1A002D)	Hex(000117)
Hex(FC7FFF)		Ratio: 1.38 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 5.08 AA ¹ AAA 18pt ⁴	Ratio: 6.39 AA ¹ AAA 18pt ⁴	Ratio: 7.72 Passed ⁶	Ratio: 8.89 Passed ⁶	Ratio: 9.46 Passed ⁶
Hex(DE63E2)	Ratio: 1.38 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 3.69 AA 18pt ²	Ratio: 4.65 AA ¹ AAA 18pt ⁴	Ratio: 5.61 AA ¹ AAA 18pt ⁴	Ratio: 6.46 AA ¹ AAA 18pt ⁴	Ratio: 6.87 AA ¹ AAA 18pt ⁴
Hex(C146C6)	Ratio: 1.94 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 3.30 AA 18pt ²	Ratio: 3.98 AA 18pt ²	Ratio: 4.58 AA ¹ AAA 18pt ⁴	Ratio: 4.88 AA ¹ AAA 18pt ⁴
Hex(A427AA)	Ratio: 2.79 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 3.19 AA 18pt ²	Ratio: 3.39 AA 18pt ²
Hex(88008F)	Ratio: 3.94 AA 18pt ²	Ratio: 2.86 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 2.40 Failed ⁵
Hex(6C0075)	Ratio: 5.08 AA ¹ AAA 18pt ⁴	Ratio: 3.69 AA 18pt ²	Ratio: 2.62 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.86 Failed ⁵
Hex(51005C)	Ratio: 6.39 AA ¹ AAA 18pt ⁴	Ratio: 4.65 AA ¹ AAA 18pt ⁴	Ratio: 3.30 AA 18pt ²	Ratio: 2.29 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.48 Failed ⁵
Hex(370044)	Ratio: 7.72 Passed ⁶	Ratio: 5.61 AA ¹ AAA 18pt ⁴	Ratio: 3.98 AA 18pt ²	Ratio: 2.77 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.23 Failed ⁵
Hex(1A002D)	Ratio: 8.89 Passed ⁶	Ratio: 6.46 AA ¹ AAA 18pt ⁴	Ratio: 4.58 AA ¹ AAA 18pt ⁴	Ratio: 3.19 AA 18pt ²	Ratio: 2.26 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.06 Failed ⁵
Hex(000117)	Ratio: 9.46 Passed ⁶	Ratio: 6.87 AA ¹ AAA 18pt ⁴	Ratio: 4.88 AA ¹ AAA 18pt ⁴	Ratio: 3.39 AA 18pt ²	Ratio: 2.40 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.06 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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