

Converting Colors - WCAG Matrix

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

	Hex(F218FF)	Hex(D300E2)	Hex(B500C5)	Hex(9700A9)	Hex(79008E)	Hex(5B0074)	Hex(3F005A)	Hex(1D0041)	Hex(00012A)	Hex(000114)
Hex(F218FF)		Ratio: 1.30 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 3.74 AA 18pt ²	Ratio: 4.67 AA ¹ AAA 18pt ⁴	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 6.12 AA ¹ AAA 18pt ⁴	Ratio: 6.26 AA ¹ AAA 18pt ⁴
Hex(D300E2)	Ratio: 1.30 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 3.58 AA 18pt ²	Ratio: 4.31 AA 18pt ² AAA 18pt ⁴	Ratio: 4.69 AA ¹ AAA 18pt ⁴	Ratio: 4.80 AA ¹ AAA 18pt ⁴
Hex(B500C5)	Ratio: 1.68 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 3.34 AA 18pt ²	Ratio: 3.63 AA 18pt ²	Ratio: 3.72 AA 18pt ²
Hex(9700A9)	Ratio: 2.20 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 2.85 Failed ⁵
Hex(79008E)	Ratio: 2.88 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 2.17 Failed ⁵
Hex(5B0074)	Ratio: 3.74 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.67 Failed ⁵
Hex(3F005A)	Ratio: 4.67 AA ¹ AAA 18pt ⁴	Ratio: 3.58 AA 18pt ²	Ratio: 2.77 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.34 Failed ⁵
Hex(1D0041)	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 4.31 AA 18pt ²	Ratio: 3.34 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.11 Failed ⁵
Hex(00012A)	Ratio: 6.12 AA ¹ AAA 18pt ⁴	Ratio: 4.69 AA ¹ AAA 18pt ⁴	Ratio: 3.63 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(000114)	Ratio: 6.26 AA ¹ AAA 18pt ⁴	Ratio: 4.80 AA ¹ AAA 18pt ⁴	Ratio: 3.72 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.11 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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