

Converting Colors - WCAG Matrix

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

	Hex(3F2D48)	Hex(FFFFFF)	Hex(6F5B79)	Hex(897492)	Hex(A38DAD)	Hex(BEA8C8)	Hex(DAC3E4)	Hex(F7DFFF)	Hex(FFBFFF)
Hex(3F2D48)		Ratio: 12.50 Passed ⁶	Ratio: 2.05 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 7.68 Passed ⁶	Ratio: 10.09 Passed ⁶	Ratio: 12.20 Passed ⁶
Hex(FFFFFF)	Ratio: 12.50 Passed ⁶		Ratio: 6.09 AA ¹ AAA 18pt ⁴	Ratio: 4.22 AA 18pt ²	Ratio: 3.01 AA 18pt ²	Ratio: 2.18 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.02 Failed ⁵
Hex(6F5B79)	Ratio: 2.05 Failed ⁵	Ratio: 6.09 AA ¹ AAA 18pt ⁴		Ratio: 1.44 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 3.74 AA 18pt ²	Ratio: 4.92 AA ¹ AAA 18pt ⁴	Ratio: 5.94 AA ¹ AAA 18pt ⁴
Hex(897492)	Ratio: 2.96 Failed ⁵	Ratio: 4.22 AA 18pt ²	Ratio: 1.44 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 3.41 AA 18pt ²	Ratio: 4.12 AA 18pt ²
Hex(A38DAD)	Ratio: 4.15 AA 18pt ²	Ratio: 3.01 AA 18pt ²	Ratio: 2.02 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 2.94 Failed ⁵
Hex(BEA8C8)	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 2.18 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.13 Failed ⁵
Hex(DAC3E4)	Ratio: 7.68 Passed ⁶	Ratio: 1.63 Failed ⁵	Ratio: 3.74 AA 18pt ²	Ratio: 2.59 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.59 Failed ⁵
Hex(F7DFFF)	Ratio: 10.09 Passed ⁶	Ratio: 1.24 Failed ⁵	Ratio: 4.92 AA ¹ AAA 18pt ⁴	Ratio: 3.41 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.21 Failed ⁵
Hex(FFBFFF)	Ratio: 12.20 Passed ⁶	Ratio: 1.02 Failed ⁵	Ratio: 5.94 AA ¹ AAA 18pt ⁴	Ratio: 4.12 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.21 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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