

Converting Colors - WCAG Matrix

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

	Hex(7D253D)	Hex(FFFFFF)	Hex(B5586C)	Hex(D27285)	Hex(F08D9F)	Hex(FFA8BA)	Hex(FFC4D6)	Hex(FFE0F2)	Hex(FFFDFF)
Hex(7D253D)		Ratio: 9.53 Passed ⁶	Ratio: 2.08 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.09 AA 18pt ²	Ratio: 5.25 AA ¹ AAA 18pt ⁴	Ratio: 6.41 AA ¹ AAA 18pt ⁴	Ratio: 7.80 Passed ⁶	Ratio: 9.41 Passed ⁶
Hex(FFFFFF)	Ratio: 9.53 Passed ⁶		Ratio: 4.59 AA ¹ AAA 18pt ⁴	Ratio: 3.24 AA 18pt ²	Ratio: 2.33 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.01 Failed ⁵
Hex(B5586C)	Ratio: 2.08 Failed ⁵	Ratio: 4.59 AA ¹ AAA 18pt ⁴		Ratio: 1.42 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 3.08 AA 18pt ²	Ratio: 3.76 AA 18pt ²	Ratio: 4.53 AA ¹ AAA 18pt ⁴
Hex(D27285)	Ratio: 2.94 Failed ⁵	Ratio: 3.24 AA 18pt ²	Ratio: 1.42 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.20 AA 18pt ²
Hex(F08D9F)	Ratio: 4.09 AA 18pt ²	Ratio: 2.33 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.30 Failed ⁵
Hex(FFA8BA)	Ratio: 5.25 AA ¹ AAA 18pt ⁴	Ratio: 1.82 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.79 Failed ⁵
Hex(FFC4D6)	Ratio: 6.41 AA ¹ AAA 18pt ⁴	Ratio: 1.49 Failed ⁵	Ratio: 3.08 AA 18pt ²	Ratio: 2.18 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.47 Failed ⁵
Hex(FFE0F2)	Ratio: 7.80 Passed ⁶	Ratio: 1.22 Failed ⁵	Ratio: 3.76 AA 18pt ²	Ratio: 2.65 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.21 Failed ⁵
Hex(FFFDFF)	Ratio: 9.41 Passed ⁶	Ratio: 1.01 Failed ⁵	Ratio: 4.53 AA ¹ AAA 18pt ⁴	Ratio: 3.20 AA 18pt ²	Ratio: 2.30 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.47 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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