

Converting Colors - WCAG Matrix

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

	Hex(4B2F3D)	Hex(FFFFFF)	Hex(7C5D6C)	Hex(977686)	Hex(B190A0)	Hex(CDABBB)	Hex(E9C6D6)	Hex(FFE2F3)
Hex(4B2F3D)		Ratio: 11.84 Passed ⁶	Ratio: 2.05 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 7.62 Passed ⁶	Ratio: 9.83 Passed ⁶
Hex(FFFFFF)	Ratio: 11.84 Passed ⁶		Ratio: 5.77 AA ¹ AAA 18pt ⁴	Ratio: 4.00 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.21 Failed ⁵
Hex(7C5D6C)	Ratio: 2.05 Failed ⁵	Ratio: 5.77 AA ¹ AAA 18pt ⁴		Ratio: 1.44 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 3.71 AA 18pt ²	Ratio: 4.79 AA ¹ AAA 18pt ⁴
Hex(977686)	Ratio: 2.96 Failed ⁵	Ratio: 4.00 AA 18pt ²	Ratio: 1.44 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.57 Failed ⁵	Ratio: 3.32 AA 18pt ²
Hex(B190A0)	Ratio: 4.15 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.37 Failed ⁵
Hex(CDABBB)	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 2.07 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.72 Failed ⁵
Hex(E9C6D6)	Ratio: 7.62 Passed ⁶	Ratio: 1.55 Failed ⁵	Ratio: 3.71 AA 18pt ²	Ratio: 2.57 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.29 Failed ⁵
Hex(FFE2F3)	Ratio: 9.83 Passed ⁶	Ratio: 1.21 Failed ⁵	Ratio: 4.79 AA ¹ AAA 18pt ⁴	Ratio: 3.32 AA 18pt ²	Ratio: 2.37 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.29 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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