

Converting Colors - WCAG Matrix

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

	Hex(6A001A)	Hex(FFDFDF)	Hex(A33D45)	Hex(C1575C)	Hex(DF7175)	Hex(FD8C8E)	Hex(FFA7A9)	Hex(FFC3C4)	Hex(FFE0E0)
Hex(6A001A)		Ratio: 12.73 Passed ⁶	Ratio: 2.03 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 6.97 AA ¹ AAA 18pt ⁴	Ratio: 8.51 Passed ⁶	Ratio: 10.44 Passed ⁶
Hex(FFDFDF)	Ratio: 12.73 Passed ⁶		Ratio: 6.26 AA ¹ AAA 18pt ⁴	Ratio: 4.33 AA 18pt ²	Ratio: 3.07 AA 18pt ²	Ratio: 2.22 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.22 Failed ⁵
Hex(A33D45)	Ratio: 2.03 Failed ⁵	Ratio: 6.26 AA ¹ AAA 18pt ⁴		Ratio: 1.45 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 3.43 AA 18pt ²	Ratio: 4.18 AA 18pt ²	Ratio: 5.13 AA ¹ AAA 18pt ⁴
Hex(C1575C)	Ratio: 2.94 Failed ⁵	Ratio: 4.33 AA 18pt ²	Ratio: 1.45 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 3.55 AA 18pt ²
Hex(DF7175)	Ratio: 4.15 AA 18pt ²	Ratio: 3.07 AA 18pt ²	Ratio: 2.04 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.51 Failed ⁵
Hex(FD8C8E)	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 2.22 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.82 Failed ⁵
Hex(FFA7A9)	Ratio: 6.97 AA ¹ AAA 18pt ⁴	Ratio: 1.83 Failed ⁵	Ratio: 3.43 AA 18pt ²	Ratio: 2.37 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.50 Failed ⁵
Hex(FFC3C4)	Ratio: 8.51 Passed ⁶	Ratio: 1.50 Failed ⁵	Ratio: 4.18 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.23 Failed ⁵
Hex(FFE0E0)	Ratio: 10.44 Passed ⁶	Ratio: 1.22 Failed ⁵	Ratio: 5.13 AA ¹ AAA 18pt ⁴	Ratio: 3.55 AA 18pt ²	Ratio: 2.51 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.23 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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