

Converting Colors - WCAG Matrix

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

	Hex(800015)	Hex(FFFFFF)	Hex(BC4340)	Hex(DA5E57)	Hex(F97970)	Hex(FF9489)	Hex(FFB0A4)	Hex(FFCCBF)	Hex(FFE9DB)
Hex(800015)		Ratio: 10.84 Passed ⁶	Ratio: 2.08 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.11 AA ¹ AAA 18pt ⁴	Ratio: 6.22 AA ¹ AAA 18pt ⁴	Ratio: 7.59 Passed ⁶	Ratio: 9.30 Passed ⁶
Hex(FFFFFF)	Ratio: 10.84 Passed ⁶		Ratio: 5.20 AA ¹ AAA 18pt ⁴	Ratio: 3.65 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.17 Failed ⁵
Hex(BC4340)	Ratio: 2.08 Failed ⁵	Ratio: 5.20 AA ¹ AAA 18pt ⁴		Ratio: 1.42 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 2.99 Failed ⁵	Ratio: 3.65 AA 18pt ²	Ratio: 4.47 AA 18pt ²
Hex(DA5E57)	Ratio: 2.97 Failed ⁵	Ratio: 3.65 AA 18pt ²	Ratio: 1.42 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 3.13 AA 18pt ²
Hex(F97970)	Ratio: 4.15 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.24 Failed ⁵
Hex(FF9489)	Ratio: 5.11 AA ¹ AAA 18pt ⁴	Ratio: 2.12 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.82 Failed ⁵
Hex(FFB0A4)	Ratio: 6.22 AA ¹ AAA 18pt ⁴	Ratio: 1.74 Failed ⁵	Ratio: 2.99 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.49 Failed ⁵
Hex(FFCCBF)	Ratio: 7.59 Passed ⁶	Ratio: 1.43 Failed ⁵	Ratio: 3.65 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.22 Failed ⁵
Hex(FFE9DB)	Ratio: 9.30 Passed ⁶	Ratio: 1.17 Failed ⁵	Ratio: 4.47 AA 18pt ²	Ratio: 3.13 AA 18pt ²	Ratio: 2.24 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.22 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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