

Converting Colors - WCAG Matrix

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

	Hex(B01C4D)	Hex(CE3E65)	Hex(ED5B7E)	Hex(FF7798)	Hex(FF93B3)	Hex(FFAFCE)	Hex(FFCCEA)	Hex(FFEAFB)	Hex(FFFFFF)
Hex(B01C4D)		Ratio: 1.44 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.23 AA 18pt ²	Ratio: 3.94 AA 18pt ²	Ratio: 4.83 AA ¹ AAA 18pt ⁴	Ratio: 5.92 AA ¹ AAA 18pt ⁴	Ratio: 6.73 AA ¹ AAA 18pt ⁴
Hex(CE3E65)	Ratio: 1.44 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.35 AA 18pt ²	Ratio: 4.10 AA 18pt ²	Ratio: 4.67 AA ¹ AAA 18pt ⁴
Hex(ED5B7E)	Ratio: 2.05 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 3.28 AA 18pt ²
Hex(FF7798)	Ratio: 2.68 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 2.52 Failed ⁵
Hex(FF93B3)	Ratio: 3.23 AA 18pt ²	Ratio: 2.24 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.08 Failed ⁵
Hex(FFAFCE)	Ratio: 3.94 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.71 Failed ⁵
Hex(FFCCEA)	Ratio: 4.83 AA ¹ AAA 18pt ⁴	Ratio: 3.35 AA 18pt ²	Ratio: 2.36 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.39 Failed ⁵
Hex(FFEAFB)	Ratio: 5.92 AA ¹ AAA 18pt ⁴	Ratio: 4.10 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.14 Failed ⁵
Hex(FFFFFF)	Ratio: 6.73 AA ¹ AAA 18pt ⁴	Ratio: 4.67 AA ¹ AAA 18pt ⁴	Ratio: 3.28 AA 18pt ²	Ratio: 2.52 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.14 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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