

Converting Colors - WCAG Matrix

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

	Hex(B70E84)	Hex(FFFFFF)	Hex(F358B9)	Hex(FF76D5)	Hex(FF92F1)	Hex(FFAFFF)	Hex(FFCDFF)	Hex(FFEAFF)
Hex(B70E84)		Ratio: 6.16 AA ¹ AAA 18pt ⁴	Ratio: 2.03 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 3.12 AA 18pt ²	Ratio: 3.76 AA 18pt ²	Ratio: 4.53 AA ¹ AAA 18pt ⁴	Ratio: 5.42 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 6.16 AA ¹ AAA 18pt ⁴		Ratio: 3.04 AA 18pt ²	Ratio: 2.39 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.14 Failed ⁵
Hex(F358B9)	Ratio: 2.03 Failed ⁵	Ratio: 3.04 AA 18pt ²		Ratio: 1.27 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 2.67 Failed ⁵
Hex(FF76D5)	Ratio: 2.58 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.10 Failed ⁵
Hex(FF92F1)	Ratio: 3.12 AA 18pt ²	Ratio: 1.97 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.74 Failed ⁵
Hex(FFAFFF)	Ratio: 3.76 AA 18pt ²	Ratio: 1.64 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.44 Failed ⁵
Hex(FFCDFF)	Ratio: 4.53 AA ¹ AAA 18pt ⁴	Ratio: 1.36 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.20 Failed ⁵
Hex(FFEAFF)	Ratio: 5.42 AA ¹ AAA 18pt ⁴	Ratio: 1.14 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.20 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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