

Converting Colors - WCAG Matrix

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

	Hex(4B306E)	Hex(644788)	Hex(7E5FA2)	Hex(9978BD)	Hex(B492D9)	Hex(D0ADF6)	Hex(ECC8FF)	Hex(FFE4FF)	Hex(FFFFFF)
Hex(4B306E)		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.64 AA ¹ AAA 18pt ⁴	Ratio: 7.33 Passed ⁶	Ratio: 9.14 Passed ⁶	Ratio: 10.78 Passed ⁶
Hex(644788)	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 5.10 AA ¹ AAA 18pt ⁴	Ratio: 6.36 AA ¹ AAA 18pt ⁴	Ratio: 7.50 Passed ⁶
Hex(7E5FA2)	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 3.53 AA 18pt ²	Ratio: 4.40 AA 18pt ²	Ratio: 5.19 AA ¹ AAA 18pt ⁴
Hex(9978BD)	Ratio: 2.97 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 3.08 AA 18pt ²	Ratio: 3.64 AA 18pt ²
Hex(B492D9)	Ratio: 4.14 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 2.61 Failed ⁵
Hex(D0ADF6)	Ratio: 5.64 AA ¹ AAA 18pt ⁴	Ratio: 3.93 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.91 Failed ⁵
Hex(ECC8FF)	Ratio: 7.33 Passed ⁶	Ratio: 5.10 AA ¹ AAA 18pt ⁴	Ratio: 3.53 AA 18pt ²	Ratio: 2.47 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.47 Failed ⁵
Hex(FFE4FF)	Ratio: 9.14 Passed ⁶	Ratio: 6.36 AA ¹ AAA 18pt ⁴	Ratio: 4.40 AA 18pt ²	Ratio: 3.08 AA 18pt ²	Ratio: 2.21 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.18 Failed ⁵
Hex(FFFFFF)	Ratio: 10.78 Passed ⁶	Ratio: 7.50 Passed ⁶	Ratio: 5.19 AA ¹ AAA 18pt ⁴	Ratio: 3.64 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.18 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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