

Converting Colors - WCAG Matrix

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

	Hex(41252D)	Hex(FFFFFF)	Hex(72525B)	Hex(8C6A73)	Hex(A7848D)	Hex(C29EA7)	Hex(DEB9C2)	Hex(FBD5DE)	Hex(FFF1FB)
Hex(41252D)		Ratio: 13.75 Passed ⁶	Ratio: 2.01 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 7.74 Passed ⁶	Ratio: 10.26 Passed ⁶	Ratio: 12.59 Passed ⁶
Hex(FFFFFF)	Ratio: 13.75 Passed ⁶		Ratio: 6.83 AA ¹ AAA 18pt ⁴	Ratio: 4.75 AA ¹ AAA 18pt ⁴	Ratio: 3.32 AA 18pt ²	Ratio: 2.40 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.09 Failed ⁵
Hex(72525B)	Ratio: 2.01 Failed ⁵	Ratio: 6.83 AA ¹ AAA 18pt ⁴		Ratio: 1.44 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 3.85 AA 18pt ²	Ratio: 5.10 AA ¹ AAA 18pt ⁴	Ratio: 6.26 AA ¹ AAA 18pt ⁴
Hex(8C6A73)	Ratio: 2.90 Failed ⁵	Ratio: 4.75 AA ¹ AAA 18pt ⁴	Ratio: 1.44 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 3.54 AA 18pt ²	Ratio: 4.35 AA 18pt ²
Hex(A7848D)	Ratio: 4.14 AA 18pt ²	Ratio: 3.32 AA 18pt ²	Ratio: 2.06 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 3.04 AA 18pt ²
Hex(C29EA7)	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 2.40 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.20 Failed ⁵
Hex(DEB9C2)	Ratio: 7.74 Passed ⁶	Ratio: 1.78 Failed ⁵	Ratio: 3.85 AA 18pt ²	Ratio: 2.67 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.63 Failed ⁵
Hex(FBD5DE)	Ratio: 10.26 Passed ⁶	Ratio: 1.34 Failed ⁵	Ratio: 5.10 AA ¹ AAA 18pt ⁴	Ratio: 3.54 AA 18pt ²	Ratio: 2.48 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.23 Failed ⁵
Hex(FFF1FB)	Ratio: 12.59 Passed ⁶	Ratio: 1.09 Failed ⁵	Ratio: 6.26 AA ¹ AAA 18pt ⁴	Ratio: 4.35 AA 18pt ²	Ratio: 3.04 AA 18pt ²	Ratio: 2.20 Failed ⁵	Ratio: 1.63 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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