

Converting Colors - WCAG Matrix

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

	Hex(53272E)	Hex(FFFFFF)	Hex(87565B)	Hex(A26E74)	Hex(BD888D)	Hex(DAA2A8)	Hex(F7BEC3)	Hex(FFD9DF)	Hex(FFF6FC)
Hex(53272E)		Ratio: 12.37 Passed ⁶	Ratio: 2.07 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.17 AA 18pt ²	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 7.72 Passed ⁶	Ratio: 9.57 Passed ⁶	Ratio: 11.69 Passed ⁶
Hex(FFFFFF)	Ratio: 12.37 Passed ⁶		Ratio: 5.98 AA ¹ AAA 18pt ⁴	Ratio: 4.18 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.06 Failed ⁵
Hex(87565B)	Ratio: 2.07 Failed ⁵	Ratio: 5.98 AA ¹ AAA 18pt ⁴		Ratio: 1.43 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 3.73 AA 18pt ²	Ratio: 4.62 AA ¹ AAA 18pt ⁴	Ratio: 5.65 AA ¹ AAA 18pt ⁴
Hex(A26E74)	Ratio: 2.96 Failed ⁵	Ratio: 4.18 AA 18pt ²	Ratio: 1.43 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.24 AA 18pt ²	Ratio: 3.95 AA 18pt ²
Hex(BD888D)	Ratio: 4.17 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 2.81 Failed ⁵
Hex(DAA2A8)	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 2.16 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 2.04 Failed ⁵
Hex(F7BEC3)	Ratio: 7.72 Passed ⁶	Ratio: 1.60 Failed ⁵	Ratio: 3.73 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.51 Failed ⁵
Hex(FFD9DF)	Ratio: 9.57 Passed ⁶	Ratio: 1.29 Failed ⁵	Ratio: 4.62 AA ¹ AAA 18pt ⁴	Ratio: 3.24 AA 18pt ²	Ratio: 2.30 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.22 Failed ⁵
Hex(FFF6FC)	Ratio: 11.69 Passed ⁶	Ratio: 1.06 Failed ⁵	Ratio: 5.65 AA ¹ AAA 18pt ⁴	Ratio: 3.95 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.51 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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