

Converting Colors - WCAG Matrix

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

	Hex(26154D)	Hex(3E2B65)	Hex(57417E)	Hex(715998)	Hex(8B72B3)	Hex(A68BCF)	Hex(C1A6EB)	Hex(DEC1FF)	Hex(FADDFF)	Hex(FFFAFF)
Hex(26154D)		Ratio: 1.34 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 3.98 AA 18pt ²	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 7.65 Passed ⁶	Ratio: 10.16 Passed ⁶	Ratio: 12.99 Passed ⁶	Ratio: 15.71 Passed ⁶
Hex(3E2B65)	Ratio: 1.34 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 7.58 Passed ⁶	Ratio: 9.69 Passed ⁶	Ratio: 11.72 Passed ⁶
Hex(57417E)	Ratio: 1.90 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.46 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 4.03 AA 18pt ²	Ratio: 5.35 AA ¹ AAA 18pt ⁴	Ratio: 6.84 AA ¹ AAA 18pt ⁴	Ratio: 8.27 Passed ⁶
Hex(715998)	Ratio: 2.76 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.46 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 3.68 AA 18pt ²	Ratio: 4.70 AA ¹ AAA 18pt ⁴	Ratio: 5.68 AA ¹ AAA 18pt ⁴
Hex(8B72B3)	Ratio: 3.98 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 3.27 AA 18pt ²	Ratio: 3.95 AA 18pt ²
Hex(A68BCF)	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 4.15 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 2.82 Failed ⁵
Hex(C1A6EB)	Ratio: 7.65 Passed ⁶	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 4.03 AA 18pt ²	Ratio: 2.77 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 2.05 Failed ⁵
Hex(DEC1FF)	Ratio: 10.16 Passed ⁶	Ratio: 7.58 Passed ⁶	Ratio: 5.35 AA ¹ AAA 18pt ⁴	Ratio: 3.68 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.55 Failed ⁵
Hex(FADDFF)	Ratio: 12.99 Passed ⁶	Ratio: 9.69 Passed ⁶	Ratio: 6.84 AA ¹ AAA 18pt ⁴	Ratio: 4.70 AA ¹ AAA 18pt ⁴	Ratio: 3.27 AA 18pt ²	Ratio: 2.34 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.21 Failed ⁵
Hex(FFFAFF)	Ratio: 15.71 Passed ⁶	Ratio: 11.72 Passed ⁶	Ratio: 8.27 Passed ⁶	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 3.95 AA 18pt ²	Ratio: 2.82 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.21 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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