

Converting Colors - WCAG Matrix

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

	Hex(EDD0EE)	Hex(D1B4D2)	Hex(B59AB6)	Hex(9A809B)	Hex(806681)	Hex(674E68)	Hex(4E3750)	Hex(372139)	Hex(220D23)	Hex(00000D)
Hex(EDD0EE)		Ratio: 1.33 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 3.59 AA 18pt ²	Ratio: 5.18 AA ¹ AAA 18pt ⁴	Ratio: 7.48 Passed ⁶	Ratio: 10.33 Passed ⁶	Ratio: 12.92 Passed ⁶	Ratio: 14.77 Passed ⁶
Hex(D1B4D2)	Ratio: 1.33 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 3.90 AA 18pt ²	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 7.76 Passed ⁶	Ratio: 9.71 Passed ⁶	Ratio: 11.11 Passed ⁶
Hex(B59AB6)	Ratio: 1.80 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 5.74 AA ¹ AAA 18pt ⁴	Ratio: 7.19 Passed ⁶	Ratio: 8.21 Passed ⁶
Hex(9A809B)	Ratio: 2.50 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.99 Failed ⁵	Ratio: 4.12 AA 18pt ²	Ratio: 5.16 AA ¹ AAA 18pt ⁴	Ratio: 5.90 AA ¹ AAA 18pt ⁴
Hex(806681)	Ratio: 3.59 AA 18pt ²	Ratio: 2.70 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 3.60 AA 18pt ²	Ratio: 4.11 AA 18pt ²
Hex(674E68)	Ratio: 5.18 AA ¹ AAA 18pt ⁴	Ratio: 3.90 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.49 Failed ⁵	Ratio: 2.85 Failed ⁵
Hex(4E3750)	Ratio: 7.48 Passed ⁶	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 4.16 AA 18pt ²	Ratio: 2.99 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.97 Failed ⁵
Hex(372139)	Ratio: 10.33 Passed ⁶	Ratio: 7.76 Passed ⁶	Ratio: 5.74 AA ¹ AAA 18pt ⁴	Ratio: 4.12 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.43 Failed ⁵
Hex(220D23)	Ratio: 12.92 Passed ⁶	Ratio: 9.71 Passed ⁶	Ratio: 7.19 Passed ⁶	Ratio: 5.16 AA ¹ AAA 18pt ⁴	Ratio: 3.60 AA 18pt ²	Ratio: 2.49 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.14 Failed ⁵
Hex(00000D)	Ratio: 14.77 Passed ⁶	Ratio: 11.11 Passed ⁶	Ratio: 8.21 Passed ⁶	Ratio: 5.90 AA ¹ AAA 18pt ⁴	Ratio: 4.11 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.14 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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