

Converting Colors - WCAG Matrix

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

	Hex(E4B0E8)	Hex(C895CC)	Hex(AC7BB0)	Hex(916296)	Hex(77497C)	Hex(5D3263)	Hex(451B4B)	Hex(2D0434)	Hex(19001F)	Hex(000001)
Hex(E4B0E8)		Ratio: 1.35 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 3.85 AA 18pt ²	Ratio: 5.55 AA ¹ AAA 18pt ⁴	Ratio: 7.72 Passed ⁶	Ratio: 9.91 Passed ⁶	Ratio: 11.00 Passed ⁶	Ratio: 11.67 Passed ⁶
Hex(C895CC)	Ratio: 1.35 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 4.10 AA 18pt ²	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 7.32 Passed ⁶	Ratio: 8.13 Passed ⁶	Ratio: 8.62 Passed ⁶
Hex(AC7BB0)	Ratio: 1.88 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.11 AA 18pt ²	Ratio: 5.27 AA ¹ AAA 18pt ⁴	Ratio: 5.86 AA ¹ AAA 18pt ⁴	Ratio: 6.21 AA ¹ AAA 18pt ⁴
Hex(916296)	Ratio: 2.66 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 3.73 AA 18pt ²	Ratio: 4.14 AA 18pt ²	Ratio: 4.39 AA 18pt ²
Hex(77497C)	Ratio: 3.85 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.57 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 3.03 AA 18pt ²
Hex(5D3263)	Ratio: 5.55 AA ¹ AAA 18pt ⁴	Ratio: 4.10 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.10 Failed ⁵
Hex(451B4B)	Ratio: 7.72 Passed ⁶	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 4.11 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.51 Failed ⁵
Hex(2D0434)	Ratio: 9.91 Passed ⁶	Ratio: 7.32 Passed ⁶	Ratio: 5.27 AA ¹ AAA 18pt ⁴	Ratio: 3.73 AA 18pt ²	Ratio: 2.57 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.18 Failed ⁵
Hex(19001F)	Ratio: 11.00 Passed ⁶	Ratio: 8.13 Passed ⁶	Ratio: 5.86 AA ¹ AAA 18pt ⁴	Ratio: 4.14 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.06 Failed ⁵
Hex(000001)	Ratio: 11.67 Passed ⁶	Ratio: 8.62 Passed ⁶	Ratio: 6.21 AA ¹ AAA 18pt ⁴	Ratio: 4.39 AA 18pt ²	Ratio: 3.03 AA 18pt ²	Ratio: 2.10 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.06 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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