

Converting Colors - WCAG Matrix

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

Hex(E11E21) Hex(FFBDBE) Hex(DE1EE1) Hex(805859) Hex(000000) Hex(808080)

	Hex(E11E21)	Hex(FFBDBE)	Hex(DE1EE1)	Hex(805859)	Hex(000000)	Hex(808080)
Hex(E11E21)		Ratio: 3.01 AA 18pt ²	Ratio: 1.22 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 4.41 AA 18pt ²	Ratio: 1.21 Failed ⁵
Hex(FFBDBE)	Ratio: 3.01 AA 18pt ²		Ratio: 2.47 Failed ⁵	Ratio: 3.84 AA 18pt ²	Ratio: 13.27 Passed ⁶	Ratio: 2.50 Failed ⁵
Hex(DE1EE1)	Ratio: 1.22 Failed ⁵	Ratio: 2.47 Failed ⁵		Ratio: 1.56 Failed ⁵	Ratio: 5.38 AA ¹ AAA 18pt ⁴	Ratio: 1.01 Failed ⁵
Hex(805859)	Ratio: 1.28 Failed ⁵	Ratio: 3.84 AA 18pt ²	Ratio: 1.56 Failed ⁵		Ratio: 3.46 AA 18pt ²	Ratio: 1.54 Failed ⁵
Hex(000000)	Ratio: 4.41 AA 18pt ²	Ratio: 13.27 Passed ⁶	Ratio: 5.38 AA ¹ AAA 18pt ⁴	Ratio: 3.46 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.21 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 1.01 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 5.32 AA ¹ AAA 18pt ⁴	

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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