

Converting Colors - WCAG Matrix

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

Hex(E37171) Hex(FFD9D9) Hex(E371E3) Hex(806969) Hex(000000) Hex(808080)

	Hex(E37171)	Hex(FFD9D9)	Hex(E371E3)	Hex(806969)	Hex(000000)	Hex(808080)
Hex(E37171)		Ratio: 2.36 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 6.87 AA ¹ AAA 18pt ⁴	Ratio: 1.29 Failed ⁵
Hex(FFD9D9)	Ratio: 2.36 Failed ⁵		Ratio: 2.09 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 16.18 Passed ⁶	Ratio: 3.04 AA 18pt ²
Hex(E371E3)	Ratio: 1.13 Failed ⁵	Ratio: 2.09 Failed ⁵		Ratio: 1.87 Failed ⁵	Ratio: 7.74 Passed ⁶	Ratio: 1.46 Failed ⁵
Hex(806969)	Ratio: 1.66 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 1.87 Failed ⁵		Ratio: 4.14 AA 18pt ²	Ratio: 1.28 Failed ⁵
Hex(000000)	Ratio: 6.87 AA ¹ AAA 18pt ⁴	Ratio: 16.18 Passed ⁶	Ratio: 7.74 Passed ⁶	Ratio: 4.14 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.29 Failed ⁵	Ratio: 3.04 AA 18pt ²	Ratio: 1.46 Failed ⁵	Ratio: 1.28 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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