

Converting Colors - WCAG Matrix

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

Hex(E252E2) Hex(FFCFFF) Hex(5252E2) Hex(806280) Hex(000000) Hex(808080)

	Hex(E252E2)	Hex(FFCFFF)	Hex(5252E2)	Hex(806280)	Hex(000000)	Hex(808080)
Hex(E252E2)		Ratio: 2.39 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 6.54 AA ¹ AAA 18pt ⁴	Ratio: 1.23 Failed ⁵
Hex(FFCFFF)	Ratio: 2.39 Failed ⁵		Ratio: 4.26 AA 18pt ²	Ratio: 3.93 AA 18pt ²	Ratio: 15.62 Passed ⁶	Ratio: 2.94 Failed ⁵
Hex(5252E2)	Ratio: 1.78 Failed ⁵	Ratio: 4.26 AA 18pt ²		Ratio: 1.09 Failed ⁵	Ratio: 3.66 AA 18pt ²	Ratio: 1.45 Failed ⁵
Hex(806280)	Ratio: 1.64 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 1.09 Failed ⁵		Ratio: 3.98 AA 18pt ²	Ratio: 1.34 Failed ⁵
Hex(000000)	Ratio: 6.54 AA ¹ AAA 18pt ⁴	Ratio: 15.62 Passed ⁶	Ratio: 3.66 AA 18pt ²	Ratio: 3.98 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.23 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.34 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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