

Converting Colors - WCAG Matrix

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

	Hex(6E806E)	Hex(556656)	Hex(3E4E3F)	Hex(283829)	Hex(132214)	Hex(000A00)	Hex(FFFFFF)
Hex(6E806E)		Ratio: 1.45 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 4.77 AA ¹ AAA 18pt ⁴	Ratio: 4.22 AA 18pt ²
Hex(556656)	Ratio: 1.45 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 3.28 AA 18pt ²	Ratio: 6.14 AA ¹ AAA 18pt ⁴
Hex(3E4E3F)	Ratio: 2.10 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 8.87 Passed ⁶
Hex(283829)	Ratio: 2.95 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 12.44 Passed ⁶
Hex(132214)	Ratio: 3.93 AA 18pt ²	Ratio: 2.70 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 16.58 Passed ⁶
Hex(000A00)	Ratio: 4.77 AA ¹ AAA 18pt ⁴	Ratio: 3.28 AA 18pt ²	Ratio: 2.27 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 20.13 Passed ⁶
Hex(FFFFFF)	Ratio: 4.22 AA 18pt ²	Ratio: 6.14 AA ¹ AAA 18pt ⁴	Ratio: 8.87 Passed ⁶	Ratio: 12.44 Passed ⁶	Ratio: 16.58 Passed ⁶	Ratio: 20.13 Passed ⁶	

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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