

Converting Colors - WCAG Matrix

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

	Hex(938D97)	Hex(79737D)	Hex(605B64)	Hex(49434C)	Hex(322D36)	Hex(1D1920)	Hex(000009)	Hex(000000)
Hex(938D97)		Ratio: 1.42 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.36 AA ¹ AAA 18pt ⁴	Ratio: 6.47 AA ¹ AAA 18pt ⁴	Ratio: 6.50 AA ¹ AAA 18pt ⁴
Hex(79737D)	Ratio: 1.42 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 3.76 AA 18pt ²	Ratio: 4.54 AA ¹ AAA 18pt ⁴	Ratio: 4.56 AA ¹ AAA 18pt ⁴
Hex(605B64)	Ratio: 2.04 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 3.17 AA 18pt ²	Ratio: 3.18 AA 18pt ²
Hex(49434C)	Ratio: 2.97 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 2.19 Failed ⁵
Hex(322D36)	Ratio: 4.15 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.56 Failed ⁵
Hex(1D1920)	Ratio: 5.36 AA ¹ AAA 18pt ⁴	Ratio: 3.76 AA 18pt ²	Ratio: 2.62 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.21 Failed ⁵
Hex(000009)	Ratio: 6.47 AA ¹ AAA 18pt ⁴	Ratio: 4.54 AA ¹ AAA 18pt ⁴	Ratio: 3.17 AA 18pt ²	Ratio: 2.18 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.00 Failed ⁵
Hex(000000)	Ratio: 6.50 AA ¹ AAA 18pt ⁴	Ratio: 4.56 AA ¹ AAA 18pt ⁴	Ratio: 3.18 AA 18pt ²	Ratio: 2.19 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.00 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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