

Converting Colors - WCAG Matrix

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

	Hex(87A4AE)	Hex(6D8A93)	Hex(54707A)	Hex(3C5861)	Hex(254149)	Hex(0E2A33)	Hex(00161E)	Hex(000002)	Hex(000000)
Hex(87A4AE)		Ratio: 1.39 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 4.12 AA 18pt ²	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 7.01 Passed ⁶	Ratio: 7.95 Passed ⁶	Ratio: 7.95 Passed ⁶
Hex(6D8A93)	Ratio: 1.39 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.08 AA 18pt ²	Ratio: 5.03 AA ¹ AAA 18pt ⁴	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 5.71 AA ¹ AAA 18pt ⁴
Hex(54707A)	Ratio: 2.00 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 3.51 AA 18pt ²	Ratio: 3.97 AA 18pt ²	Ratio: 3.98 AA 18pt ²
Hex(3C5861)	Ratio: 2.88 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 2.76 Failed ⁵
Hex(254149)	Ratio: 4.12 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.93 Failed ⁵
Hex(0E2A33)	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 4.08 AA 18pt ²	Ratio: 2.84 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.40 Failed ⁵
Hex(00161E)	Ratio: 7.01 Passed ⁶	Ratio: 5.03 AA ¹ AAA 18pt ⁴	Ratio: 3.51 AA 18pt ²	Ratio: 2.44 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.13 Failed ⁵
Hex(000002)	Ratio: 7.95 Passed ⁶	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 3.97 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.00 Failed ⁵
Hex(000000)	Ratio: 7.95 Passed ⁶	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 3.98 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.13 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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