

Converting Colors - WCAG Matrix

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

	Hex(9EABAB)	Hex(858F8F)	Hex(6B7878)	Hex(525E5E)	Hex(3B4545)	Hex(263030)	Hex(121C1C)	Hex(000000)
Hex(9EABAB)		Ratio: 1.40 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 4.18 AA 18pt ²	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 7.34 Passed ⁶	Ratio: 8.87 Passed ⁶
Hex(858F8F)	Ratio: 1.40 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.98 Failed ⁵	Ratio: 4.09 AA 18pt ²	Ratio: 5.23 AA ¹ AAA 18pt ⁴	Ratio: 6.32 AA ¹ AAA 18pt ⁴
Hex(6B7878)	Ratio: 1.93 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.47 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 3.79 AA 18pt ²	Ratio: 4.58 AA ¹ AAA 18pt ⁴
Hex(525E5E)	Ratio: 2.84 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.47 Failed ⁵		Ratio: 1.47 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 3.12 AA 18pt ²
Hex(3B4545)	Ratio: 4.18 AA 18pt ²	Ratio: 2.98 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 1.47 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.12 Failed ⁵
Hex(263030)	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 4.09 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.55 Failed ⁵
Hex(121C1C)	Ratio: 7.34 Passed ⁶	Ratio: 5.23 AA ¹ AAA 18pt ⁴	Ratio: 3.79 AA 18pt ²	Ratio: 2.58 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.21 Failed ⁵
Hex(000000)	Ratio: 8.87 Passed ⁶	Ratio: 6.32 AA ¹ AAA 18pt ⁴	Ratio: 4.58 AA ¹ AAA 18pt ⁴	Ratio: 3.12 AA 18pt ²	Ratio: 2.12 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.21 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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