

Converting Colors - WCAG Matrix

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

Hex(9AAACE1) Hex(E8EEFF) Hex(9AE1CE) Hex(717580) Hex(000000) Hex(808080)

	Hex(9AAACE1)	Hex(E8EEFF)	Hex(9AE1CE)	Hex(717580)	Hex(000000)	Hex(808080)
Hex(9AAACE1)		Ratio: 1.93 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 9.36 Passed ⁶	Ratio: 1.76 Failed ⁵
Hex(E8EEFF)	Ratio: 1.93 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 3.97 AA 18pt ²	Ratio: 18.11 Passed ⁶	Ratio: 3.40 AA 18pt ²
Hex(9AE1CE)	Ratio: 1.50 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 3.08 AA 18pt ²	Ratio: 14.04 Passed ⁶	Ratio: 2.64 Failed ⁵
Hex(717580)	Ratio: 2.05 Failed ⁵	Ratio: 3.97 AA 18pt ²	Ratio: 3.08 AA 18pt ²		Ratio: 4.56 AA ¹ AAA 18pt ⁴	Ratio: 1.17 Failed ⁵
Hex(000000)	Ratio: 9.36 Passed ⁶	Ratio: 18.11 Passed ⁶	Ratio: 14.04 Passed ⁶	Ratio: 4.56 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.76 Failed ⁵	Ratio: 3.40 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 1.17 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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