

Converting Colors - WCAG Matrix

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

Hex(64A4EE) Hex(D4E8FF) Hex(64EEAE) Hex(667280) Hex(000000) Hex(808080)

	Hex(64A4EE)	Hex(D4E8FF)	Hex(64EEAE)	Hex(667280)	Hex(000000)	Hex(808080)
Hex(64A4EE)		Ratio: 2.08 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 8.09 Passed ⁶	Ratio: 1.52 Failed ⁵
Hex(D4E8FF)	Ratio: 2.08 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 3.92 AA 18pt ²	Ratio: 16.79 Passed ⁶	Ratio: 3.16 AA 18pt ²
Hex(64EEAE)	Ratio: 1.78 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 3.36 AA 18pt ²	Ratio: 14.38 Passed ⁶	Ratio: 2.70 Failed ⁵
Hex(667280)	Ratio: 1.89 Failed ⁵	Ratio: 3.92 AA 18pt ²	Ratio: 3.36 AA 18pt ²		Ratio: 4.28 AA 18pt ²	Ratio: 1.24 Failed ⁵
Hex(000000)	Ratio: 8.09 Passed ⁶	Ratio: 16.79 Passed ⁶	Ratio: 14.38 Passed ⁶	Ratio: 4.28 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.52 Failed ⁵	Ratio: 3.16 AA 18pt ²	Ratio: 2.70 Failed ⁵	Ratio: 1.24 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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