

Converting Colors - WCAG Matrix

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

Hex(55A8DD) Hex(D1EDFF) Hex(55DD89) Hex(637580) Hex(000000) Hex(808080)

	Hex(55A8DD)	Hex(D1EDFF)	Hex(55DD89)	Hex(637580)	Hex(000000)	Hex(808080)
Hex(55A8DD)		Ratio: 2.15 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 8.03 Passed ⁶	Ratio: 1.51 Failed ⁵
Hex(D1EDFF)	Ratio: 2.15 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 17.27 Passed ⁶	Ratio: 3.25 AA 18pt ²
Hex(55DD89)	Ratio: 1.51 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 2.76 Failed ⁵	Ratio: 12.09 Passed ⁶	Ratio: 2.27 Failed ⁵
Hex(637580)	Ratio: 1.83 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 2.76 Failed ⁵		Ratio: 4.39 AA 18pt ²	Ratio: 1.21 Failed ⁵
Hex(000000)	Ratio: 8.03 Passed ⁶	Ratio: 17.27 Passed ⁶	Ratio: 12.09 Passed ⁶	Ratio: 4.39 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.51 Failed ⁵	Ratio: 3.25 AA 18pt ²	Ratio: 2.27 Failed ⁵	Ratio: 1.21 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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