

Converting Colors - WCAG Matrix

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

Hex(99DBDB) Hex(E8FFFF) Hex(99DB99) Hex(718080) Hex(000000) Hex(808080)

	Hex(99DBDB)	Hex(E8FFFF)	Hex(99DB99)	Hex(718080)	Hex(000000)	Hex(808080)
Hex(99DBDB)		Ratio: 1.49 Failed ⁵	Ratio: 1.04 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 13.51 Passed ⁶	Ratio: 2.54 Failed ⁵
Hex(E8FFFF)	Ratio: 1.49 Failed ⁵		Ratio: 1.56 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 20.18 Passed ⁶	Ratio: 3.80 AA 18pt ²
Hex(99DB99)	Ratio: 1.04 Failed ⁵	Ratio: 1.56 Failed ⁵		Ratio: 2.54 Failed ⁵	Ratio: 12.95 Passed ⁶	Ratio: 2.43 Failed ⁵
Hex(718080)	Ratio: 2.65 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 2.54 Failed ⁵		Ratio: 5.10 AA ¹ AAA 18pt ⁴	Ratio: 1.04 Failed ⁵
Hex(000000)	Ratio: 13.51 Passed ⁶	Ratio: 20.18 Passed ⁶	Ratio: 12.95 Passed ⁶	Ratio: 5.10 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 2.54 Failed ⁵	Ratio: 3.80 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.04 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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