

Converting Colors - WCAG Matrix

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

Hex(46DBBA) Hex(CCFFF4) Hex(69DB46) Hex(618079) Hex(000000) Hex(808080)

	Hex(46DBBA)	Hex(CCFFF4)	Hex(69DB46)	Hex(618079)	Hex(000000)	Hex(808080)
Hex(46DBBA)		Ratio: 1.58 Failed ⁵	Ratio: 1.02 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 12.10 Passed ⁶	Ratio: 2.28 Failed ⁵
Hex(CCFFF4)	Ratio: 1.58 Failed ⁵		Ratio: 1.62 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 19.18 Passed ⁶	Ratio: 3.61 AA 18pt ²
Hex(69DB46)	Ratio: 1.02 Failed ⁵	Ratio: 1.62 Failed ⁵		Ratio: 2.43 Failed ⁵	Ratio: 11.82 Passed ⁶	Ratio: 2.22 Failed ⁵
Hex(618079)	Ratio: 2.48 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 2.43 Failed ⁵		Ratio: 4.87 AA ¹ AAA 18pt ⁴	Ratio: 1.09 Failed ⁵
Hex(000000)	Ratio: 12.10 Passed ⁶	Ratio: 19.18 Passed ⁶	Ratio: 11.82 Passed ⁶	Ratio: 4.87 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 2.28 Failed ⁵	Ratio: 3.61 AA 18pt ²	Ratio: 2.22 Failed ⁵	Ratio: 1.09 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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