

Converting Colors - WCAG Matrix

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

	Hex(4C13DE)	Hex(5C29DE)	Hex(6C3FDE)	Hex(7C56DE)	Hex(8C6CDE)	Hex(9C82DE)	Hex(AC98DE)	Hex(BCAEDE)	Hex(CCC5DE)	Hex(DCDBDE)
Hex(4C13DE)		Ratio: 1.15 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 3.38 AA 18pt ²	Ratio: 4.17 AA 18pt ²	Ratio: 5.14 AA ¹ AAA 18pt ⁴	Ratio: 6.20 AA ¹ AAA 18pt ⁴
Hex(5C29DE)	Ratio: 1.15 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 3.62 AA 18pt ²	Ratio: 4.46 AA 18pt ²	Ratio: 5.39 AA ¹ AAA 18pt ⁴
Hex(6C3FDE)	Ratio: 1.39 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 3.01 AA 18pt ²	Ratio: 3.70 AA 18pt ²	Ratio: 4.48 AA 18pt ²
Hex(7C56DE)	Ratio: 1.73 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 3.59 AA 18pt ²
Hex(8C6CDE)	Ratio: 2.16 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 2.87 Failed ⁵
Hex(9C82DE)	Ratio: 2.71 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.29 Failed ⁵
Hex(AC98DE)	Ratio: 3.38 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.83 Failed ⁵
Hex(BCAEDE)	Ratio: 4.17 AA 18pt ²	Ratio: 3.62 AA 18pt ²	Ratio: 3.01 AA 18pt ²	Ratio: 2.42 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.49 Failed ⁵
Hex(CCC5DE)	Ratio: 5.14 AA ¹ AAA 18pt ⁴	Ratio: 4.46 AA 18pt ²	Ratio: 3.70 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.21 Failed ⁵
Hex(DCDBDE)	Ratio: 6.20 AA ¹ AAA 18pt ⁴	Ratio: 5.39 AA ¹ AAA 18pt ⁴	Ratio: 4.48 AA 18pt ²	Ratio: 3.59 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.21 Failed ⁵	

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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