

Converting Colors - WCAG Matrix

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

	Hex(5266DE)	Hex(6978DE)	Hex(7D8CDE)	Hex(949EDE)	Hex(ABB3DE)	Hex(C2C4DE)	Hex(D6D9DE)	Hex(EDEBDE)	Hex(FFFFDE)
Hex(5266DE)		Ratio: 1.24 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 3.44 AA 18pt ²	Ratio: 4.07 AA 18pt ²	Ratio: 4.78 AA ¹ AAA 18pt ⁴
Hex(6978DE)	Ratio: 1.24 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 3.28 AA 18pt ²	Ratio: 3.86 AA 18pt ²
Hex(7D8CDE)	Ratio: 1.55 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.09 AA 18pt ²
Hex(949EDE)	Ratio: 1.90 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 2.51 Failed ⁵
Hex(ABB3DE)	Ratio: 2.37 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 2.01 Failed ⁵
Hex(C2C4DE)	Ratio: 2.84 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.68 Failed ⁵
Hex(D6D9DE)	Ratio: 3.44 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.39 Failed ⁵
Hex(EDEBDE)	Ratio: 4.07 AA 18pt ²	Ratio: 3.28 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.18 Failed ⁵
Hex(FFFFDE)	Ratio: 4.78 AA ¹ AAA 18pt ⁴	Ratio: 3.86 AA 18pt ²	Ratio: 3.09 AA 18pt ²	Ratio: 2.51 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.18 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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