

Converting Colors - WCAG Matrix

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

	Hex(BEC2DE)	Hex(A8AFDE)	Hex(929BDE)	Hex(7B88DE)	Hex(6574DE)	Hex(4F61DE)	Hex(394DDE)	Hex(233ADE)	Hex(0C27DE)	Hex(001CDE)
Hex(BEC2DE)		Ratio: 1.21 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 3.64 AA 18pt ²	Ratio: 4.38 AA 18pt ²	Ratio: 5.07 AA ¹ AAA 18pt ⁴	Ratio: 5.39 AA ¹ AAA 18pt ⁴
Hex(A8AFDE)	Ratio: 1.21 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 2.99 Failed ⁵	Ratio: 3.61 AA 18pt ²	Ratio: 4.17 AA 18pt ²	Ratio: 4.44 AA 18pt ²
Hex(929BDE)	Ratio: 1.50 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 3.37 AA 18pt ²	Ratio: 3.59 AA 18pt ²
Hex(7B88DE)	Ratio: 1.86 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 2.89 Failed ⁵
Hex(6574DE)	Ratio: 2.34 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 2.30 Failed ⁵
Hex(4F61DE)	Ratio: 2.92 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.84 Failed ⁵
Hex(394DDE)	Ratio: 3.64 AA 18pt ²	Ratio: 2.99 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.48 Failed ⁵
Hex(233ADE)	Ratio: 4.38 AA 18pt ²	Ratio: 3.61 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.23 Failed ⁵
Hex(0C27DE)	Ratio: 5.07 AA ¹ AAA 18pt ⁴	Ratio: 4.17 AA 18pt ²	Ratio: 3.37 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.06 Failed ⁵
Hex(001CDE)	Ratio: 5.39 AA ¹ AAA 18pt ⁴	Ratio: 4.44 AA 18pt ²	Ratio: 3.59 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.06 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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