

Converting Colors - WCAG Matrix

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

	Hex(C6C6EA)	Hex(AFAFEA)	Hex(9797EA)	Hex(8080EA)	Hex(6969EA)	Hex(5151EA)	Hex(3A3AEA)	Hex(2222EA)	Hex(0B0BEA)	Hex(0000EA)
Hex(C6C6EA)		Ratio: 1.25 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.41 AA 18pt ²	Ratio: 4.26 AA 18pt ²	Ratio: 5.10 AA ¹ AAA 18pt ⁴	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 5.79 AA ¹ AAA 18pt ⁴
Hex(AFAFEA)	Ratio: 1.25 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.41 AA 18pt ²	Ratio: 4.08 AA 18pt ²	Ratio: 4.51 AA ¹ AAA 18pt ⁴	Ratio: 4.64 AA ¹ AAA 18pt ⁴
Hex(9797EA)	Ratio: 1.60 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 3.19 AA 18pt ²	Ratio: 3.52 AA 18pt ²	Ratio: 3.62 AA 18pt ²
Hex(8080EA)	Ratio: 2.05 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.49 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 2.83 Failed ⁵
Hex(6969EA)	Ratio: 2.63 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 2.20 Failed ⁵
Hex(5151EA)	Ratio: 3.41 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.70 Failed ⁵
Hex(3A3AEA)	Ratio: 4.26 AA 18pt ²	Ratio: 3.41 AA 18pt ²	Ratio: 2.67 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.36 Failed ⁵
Hex(2222EA)	Ratio: 5.10 AA ¹ AAA 18pt ⁴	Ratio: 4.08 AA 18pt ²	Ratio: 3.19 AA 18pt ²	Ratio: 2.49 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.14 Failed ⁵
Hex(0B0BEA)	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 4.51 AA ¹ AAA 18pt ⁴	Ratio: 3.52 AA 18pt ²	Ratio: 2.75 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.03 Failed ⁵
Hex(0000EA)	Ratio: 5.79 AA ¹ AAA 18pt ⁴	Ratio: 4.64 AA ¹ AAA 18pt ⁴	Ratio: 3.62 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.03 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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