

Converting Colors - WCAG Matrix

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

	Hex(C182E9)	Hex(A568CD)	Hex(894EB1)	Hex(6E3596)	Hex(541C7B)	Hex(3A0062)	Hex(21004A)	Hex(000032)	Hex(00021C)	Hex(000000)
Hex(C182E9)		Ratio: 1.40 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 4.18 AA 18pt ²	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 6.56 AA ¹ AAA 18pt ⁴	Ratio: 7.30 Passed ⁶	Ratio: 7.45 Passed ⁶	Ratio: 7.64 Passed ⁶
Hex(A568CD)	Ratio: 1.40 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.99 Failed ⁵	Ratio: 4.03 AA 18pt ²	Ratio: 4.69 AA ¹ AAA 18pt ⁴	Ratio: 5.22 AA ¹ AAA 18pt ⁴	Ratio: 5.33 AA ¹ AAA 18pt ⁴	Ratio: 5.46 AA ¹ AAA 18pt ⁴
Hex(894EB1)	Ratio: 2.02 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 3.26 AA 18pt ²	Ratio: 3.62 AA 18pt ²	Ratio: 3.69 AA 18pt ²	Ratio: 3.79 AA 18pt ²
Hex(6E3596)	Ratio: 2.92 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 2.61 Failed ⁵
Hex(541C7B)	Ratio: 4.18 AA 18pt ²	Ratio: 2.99 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.83 Failed ⁵
Hex(3A0062)	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 4.03 AA 18pt ²	Ratio: 2.79 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.36 Failed ⁵
Hex(21004A)	Ratio: 6.56 AA ¹ AAA 18pt ⁴	Ratio: 4.69 AA ¹ AAA 18pt ⁴	Ratio: 3.26 AA 18pt ²	Ratio: 2.25 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.16 Failed ⁵
Hex(000032)	Ratio: 7.30 Passed ⁶	Ratio: 5.22 AA ¹ AAA 18pt ⁴	Ratio: 3.62 AA 18pt ²	Ratio: 2.50 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.02 Failed ⁵	Ratio: 1.05 Failed ⁵
Hex(00021C)	Ratio: 7.45 Passed ⁶	Ratio: 5.33 AA ¹ AAA 18pt ⁴	Ratio: 3.69 AA 18pt ²	Ratio: 2.55 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.02 Failed ⁵		Ratio: 1.03 Failed ⁵
Hex(000000)	Ratio: 7.64 Passed ⁶	Ratio: 5.46 AA ¹ AAA 18pt ⁴	Ratio: 3.79 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.05 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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