

Converting Colors - WCAG Matrix

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

	Hex(B568E8)	Hex(994ECC)	Hex(7D34B0)	Hex(611894)	Hex(46007A)	Hex(290061)	Hex(0D0048)	Hex(000430)	Hex(00011B)	Hex(000000)
Hex(B568E8)		Ratio: 1.42 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 4.82 AA ¹ AAA 18pt ⁴	Ratio: 5.50 AA ¹ AAA 18pt ⁴	Ratio: 5.76 AA ¹ AAA 18pt ⁴	Ratio: 5.99 AA ¹ AAA 18pt ⁴	Ratio: 6.11 AA ¹ AAA 18pt ⁴
Hex(994ECC)	Ratio: 1.42 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 3.41 AA 18pt ²	Ratio: 3.89 AA 18pt ²	Ratio: 4.07 AA 18pt ²	Ratio: 4.23 AA 18pt ²	Ratio: 4.32 AA 18pt ²
Hex(7D34B0)	Ratio: 2.04 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 2.99 Failed ⁵
Hex(611894)	Ratio: 2.96 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.07 Failed ⁵
Hex(46007A)	Ratio: 3.96 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.54 Failed ⁵
Hex(290061)	Ratio: 4.82 AA ¹ AAA 18pt ⁴	Ratio: 3.41 AA 18pt ²	Ratio: 2.36 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.27 Failed ⁵
Hex(0D0048)	Ratio: 5.50 AA ¹ AAA 18pt ⁴	Ratio: 3.89 AA 18pt ²	Ratio: 2.69 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.05 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.11 Failed ⁵
Hex(000430)	Ratio: 5.76 AA ¹ AAA 18pt ⁴	Ratio: 4.07 AA 18pt ²	Ratio: 2.82 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.05 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.06 Failed ⁵
Hex(00011B)	Ratio: 5.99 AA ¹ AAA 18pt ⁴	Ratio: 4.23 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(000000)	Ratio: 6.11 AA ¹ AAA 18pt ⁴	Ratio: 4.32 AA 18pt ²	Ratio: 2.99 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 1.02 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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