

Converting Colors - WCAG Matrix

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

	Hex(B789D0)	Hex(9C6FB4)	Hex(815699)	Hex(673E7F)	Hex(4E2766)	Hex(36104E)	Hex(1F0036)	Hex(000020)	Hex(000005)	Hex(000000)
Hex(B789D0)		Ratio: 1.40 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 6.75 AA ¹ AAA 18pt ⁴	Ratio: 7.35 Passed ⁶	Ratio: 7.49 Passed ⁶	Ratio: 7.50 Passed ⁶
Hex(9C6FB4)	Ratio: 1.40 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 3.99 AA 18pt ² AAA 18pt ⁴	Ratio: 4.81 AA ¹ AAA 18pt ⁴	Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 5.33 AA ¹ AAA 18pt ⁴	Ratio: 5.35 AA ¹ AAA 18pt ⁴
Hex(815699)	Ratio: 2.01 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 3.35 AA 18pt ²	Ratio: 3.65 AA 18pt ²	Ratio: 3.72 AA 18pt ²	Ratio: 3.72 AA 18pt ²
Hex(673E7F)	Ratio: 2.92 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 2.57 Failed ⁵	Ratio: 2.57 Failed ⁵
Hex(4E2766)	Ratio: 4.15 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.81 Failed ⁵
Hex(36104E)	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 3.99 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.34 Failed ⁵
Hex(1F0036)	Ratio: 6.75 AA ¹ AAA 18pt ⁴	Ratio: 4.81 AA ¹ AAA 18pt ⁴	Ratio: 3.35 AA 18pt ²	Ratio: 2.31 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.11 Failed ⁵
Hex(000020)	Ratio: 7.35 Passed ⁶	Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 3.65 AA 18pt ²	Ratio: 2.52 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.02 Failed ⁵	Ratio: 1.02 Failed ⁵
Hex(000005)	Ratio: 7.49 Passed ⁶	Ratio: 5.33 AA ¹ AAA 18pt ⁴	Ratio: 3.72 AA 18pt ²	Ratio: 2.57 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.02 Failed ⁵		Ratio: 1.00 Failed ⁵
Hex(000000)	Ratio: 7.50 Passed ⁶	Ratio: 5.35 AA ¹ AAA 18pt ⁴	Ratio: 3.72 AA 18pt ²	Ratio: 2.57 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.02 Failed ⁵	Ratio: 1.00 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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