

Converting Colors - WCAG Matrix

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

	Hex(D999D6)	Hex(BD80BA)	Hex(A1669E)	Hex(874D85)	Hex(6B336B)	Hex(541C54)	Hex(3B033D)	Hex(260026)	Hex(00000F)	Hex(000000)
Hex(D999D6)		Ratio: 1.36 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 4.10 AA 18pt ²	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 7.48 Passed ⁶	Ratio: 8.54 Passed ⁶	Ratio: 9.41 Passed ⁶	Ratio: 9.48 Passed ⁶
Hex(BD80BA)	Ratio: 1.36 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 3.01 AA 18pt ²	Ratio: 4.17 AA 18pt ²	Ratio: 5.50 AA ¹ AAA 18pt ⁴	Ratio: 6.27 AA ¹ AAA 18pt ⁴	Ratio: 6.91 AA ¹ AAA 18pt ⁴	Ratio: 6.96 AA ¹ AAA 18pt ⁴
Hex(A1669E)	Ratio: 1.93 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 3.88 AA 18pt ²	Ratio: 4.42 AA 18pt ²	Ratio: 4.88 AA ¹ AAA 18pt ⁴	Ratio: 4.91 AA ¹ AAA 18pt ⁴
Hex(874D85)	Ratio: 2.76 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.48 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 3.09 AA 18pt ²	Ratio: 3.41 AA 18pt ²	Ratio: 3.43 AA 18pt ²
Hex(6B336B)	Ratio: 4.10 AA 18pt ²	Ratio: 3.01 AA 18pt ²	Ratio: 2.12 Failed ⁵	Ratio: 1.48 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 2.31 Failed ⁵
Hex(541C54)	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 4.17 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.67 Failed ⁵
Hex(3B033D)	Ratio: 7.48 Passed ⁶	Ratio: 5.50 AA ¹ AAA 18pt ⁴	Ratio: 3.88 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.27 Failed ⁵
Hex(260026)	Ratio: 8.54 Passed ⁶	Ratio: 6.27 AA ¹ AAA 18pt ⁴	Ratio: 4.42 AA 18pt ²	Ratio: 3.09 AA 18pt ²	Ratio: 2.08 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.11 Failed ⁵
Hex(00000F)	Ratio: 9.41 Passed ⁶	Ratio: 6.91 AA ¹ AAA 18pt ⁴	Ratio: 4.88 AA ¹ AAA 18pt ⁴	Ratio: 3.41 AA 18pt ²	Ratio: 2.30 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.01 Failed ⁵
Hex(000000)	Ratio: 9.48 Passed ⁶	Ratio: 6.96 AA ¹ AAA 18pt ⁴	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 3.43 AA 18pt ²	Ratio: 2.31 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.01 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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