

Converting Colors - WCAG Matrix

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

Hex(D5D5D5) Hex(FFFFFF) Hex(6B6B6B) Hex(7700AB) Hex(1E002B)

	Hex(D5D5D5)	Hex(FFFFFF)	Hex(6B6B6B)	Hex(7700AB)	Hex(1E002B)
Hex(D5D5D5)		Ratio: 1.47 Failed ⁵	Ratio: 3.63 AA 18pt ²	Ratio: 6.03 AA ¹ AAA 18pt ⁴	Ratio: 13.13 Passed ⁶
Hex(FFFFFF)	Ratio: 1.47 Failed ⁵		Ratio: 5.33 AA ¹ AAA 18pt ⁴	Ratio: 8.85 Passed ⁶	Ratio: 19.27 Passed ⁶
Hex(6B6B6B)	Ratio: 3.63 AA 18pt ²	Ratio: 5.33 AA ¹ AAA 18pt ⁴		Ratio: 1.66 Failed ⁵	Ratio: 3.62 AA 18pt ²
Hex(7700AB)	Ratio: 6.03 AA ¹ AAA 18pt ⁴	Ratio: 8.85 Passed ⁶	Ratio: 1.66 Failed ⁵		Ratio: 2.18 Failed ⁵
Hex(1E002B)	Ratio: 13.13 Passed ⁶	Ratio: 19.27 Passed ⁶	Ratio: 3.62 AA 18pt ²	Ratio: 2.18 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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