

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.
Hex(D03887) Hex(FFC7E4) Hex(7F38D0) Hex(805E70) Hex(000000) Hex(808080)

Hex(D03887)		Ratio: 3.16 AA 18pt²	Ratio: 1.36 Failed⁵	Ratio: 1.23 Failed⁵	Ratio: 4.60 AA¹ AAA 18pt⁴	Ratio: 1.16 Failed⁵
Hex(FFC7E4)	Ratio: 3.16 AA 18pt²		Ratio: 4.30 AA 18pt²	Ratio: 3.87 AA 18pt²	Ratio: 14.54 Passed⁶	Ratio: 2.73 Failed⁵
Hex(7F38D0)	Ratio: 1.36 Failed⁵	Ratio: 4.30 AA 18pt²		Ratio: 1.11 Failed⁵	Ratio: 3.38 AA 18pt²	Ratio: 1.57 Failed⁵
Hex(805E70)	Ratio: 1.23 Failed⁵	Ratio: 3.87 AA 18pt²	Ratio: 1.11 Failed⁵		Ratio: 3.75 AA 18pt²	Ratio: 1.42 Failed⁵
Hex(000000)	Ratio: 4.60 AA¹ AAA 18pt⁴	Ratio: 14.54 Passed⁶	Ratio: 3.38 AA 18pt²	Ratio: 3.75 AA 18pt²		Ratio: 5.32 AA¹ AAA 18pt⁴
Hex(808080)	Ratio: 1.16 Failed⁵	Ratio: 2.73 Failed⁵	Ratio: 1.57 Failed⁵	Ratio: 1.42 Failed⁵	Ratio: 5.32 AA¹ AAA 18pt⁴	

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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