

Converting Colors - WCAG Matrix

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

Hex(DED0E5) Hex(F6E3FF) Hex(E5D0E2) Hex(6F6773) Hex(7700B3) Hex(220033)

	Hex(DED0E5)	Hex(F6E3FF)	Hex(E5D0E2)	Hex(6F6773)	Hex(7700B3)	Hex(220033)
Hex(DED0E5)		Ratio: 1.22 Failed ⁵	Ratio: 1.01 Failed ⁵	Ratio: 3.69 AA 18pt ²	Ratio: 5.86 AA ¹ AAA 18pt ⁴	Ratio: 12.78 Passed ⁶
Hex(F6E3FF)	Ratio: 1.22 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 4.49 AA 18pt ²	Ratio: 7.12 Passed ⁶	Ratio: 15.55 Passed ⁶
Hex(E5D0E2)	Ratio: 1.01 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 3.74 AA 18pt ²	Ratio: 5.93 AA ¹ AAA 18pt ⁴	Ratio: 12.95 Passed ⁶
Hex(6F6773)	Ratio: 3.69 AA 18pt ²	Ratio: 4.49 AA 18pt ²	Ratio: 3.74 AA 18pt ²		Ratio: 1.59 Failed ⁵	Ratio: 3.46 AA 18pt ²
Hex(7700B3)	Ratio: 5.86 AA ¹ AAA 18pt ⁴	Ratio: 7.12 Passed ⁶	Ratio: 5.93 AA ¹ AAA 18pt ⁴	Ratio: 1.59 Failed ⁵		Ratio: 2.18 Failed ⁵
Hex(220033)	Ratio: 12.78 Passed ⁶	Ratio: 15.55 Passed ⁶	Ratio: 12.95 Passed ⁶	Ratio: 3.46 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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