

Converting Colors - WCAG Matrix

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

Hex(DFE4E5) Hex(FCFFFF) Hex(DFE5E0) Hex(7E7F80) Hex(000000) Hex(808080)

	Hex(DFE4E5)	Hex(FCFFFF)	Hex(DFE5E0)	Hex(7E7F80)	Hex(000000)	Hex(808080)
Hex(DFE4E5)		Ratio: 1.28 Failed ⁵	Ratio: 1.00 Failed ⁵	Ratio: 3.13 AA 18pt ²	Ratio: 16.37 Passed ⁶	Ratio: 3.08 AA 18pt ²
Hex(FCFFFF)	Ratio: 1.28 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 3.99 AA 18pt ²	Ratio: 20.89 Passed ⁶	Ratio: 3.93 AA 18pt ²
Hex(DFE5E0)	Ratio: 1.00 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 3.14 AA 18pt ²	Ratio: 16.42 Passed ⁶	Ratio: 3.09 AA 18pt ²
Hex(7E7F80)	Ratio: 3.13 AA 18pt ²	Ratio: 3.99 AA 18pt ²	Ratio: 3.14 AA 18pt ²		Ratio: 5.23 AA ¹ AAA 18pt ⁴	Ratio: 1.02 Failed ⁵
Hex(000000)	Ratio: 16.37 Passed ⁶	Ratio: 20.89 Passed ⁶	Ratio: 16.42 Passed ⁶	Ratio: 5.23 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 3.08 AA 18pt ²	Ratio: 3.93 AA 18pt ²	Ratio: 3.09 AA 18pt ²	Ratio: 1.02 Failed ⁵	Ratio: 5.32 AA ¹ AAA 18pt ⁴	

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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