

Converting Colors - WCAG Matrix

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

Hex(84FAE1) Hex(DBFFF7) Hex(9EFA84) Hex(6A807B) Hex(000000) Hex(808080)

	Hex(84FAE1)	Hex(DBFFF7)	Hex(9EFA84)	Hex(6A807B)	Hex(000000)	Hex(808080)
Hex(84FAE1)		Ratio: 1.17 Failed ⁵	Ratio: 1.02 Failed ⁵	Ratio: 3.36 AA 18pt ²	Ratio: 16.74 Passed ⁶	Ratio: 3.15 AA 18pt ²
Hex(DBFFF7)	Ratio: 1.17 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 19.66 Passed ⁶	Ratio: 3.70 AA 18pt ²
Hex(9EFA84)	Ratio: 1.02 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 3.30 AA 18pt ²	Ratio: 16.46 Passed ⁶	Ratio: 3.10 AA 18pt ²
Hex(6A807B)	Ratio: 3.36 AA 18pt ²	Ratio: 3.94 AA 18pt ²	Ratio: 3.30 AA 18pt ²		Ratio: 4.99 AA ¹ AAA 18pt ⁴	Ratio: 1.07 Failed ⁵
Hex(000000)	Ratio: 16.74 Passed ⁶	Ratio: 19.66 Passed ⁶	Ratio: 16.46 Passed ⁶	Ratio: 4.99 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 3.15 AA 18pt ²	Ratio: 3.70 AA 18pt ²	Ratio: 3.10 AA 18pt ²	Ratio: 1.07 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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