

Converting Colors - WCAG Matrix

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

	Hex(34545E)	Hex(FFFFFF)	Hex(658690)	Hex(7FA0AB)	Hex(99BBC6)	Hex(B4D6E2)	Hex(D0F3FF)	Hex(EDFFFF)
Hex(34545E)		Ratio: 8.15 Passed ⁶	Ratio: 2.08 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 3.99 AA 18pt ²	Ratio: 5.30 AA ¹ AAA 18pt ⁴	Ratio: 6.97 AA ¹ AAA 18pt ⁴	Ratio: 7.90 Passed ⁶
Hex(FFFFFF)	Ratio: 8.15 Passed ⁶		Ratio: 3.91 AA 18pt ²	Ratio: 2.79 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.03 Failed ⁵
Hex(658690)	Ratio: 2.08 Failed ⁵	Ratio: 3.91 AA 18pt ²		Ratio: 1.40 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 3.34 AA 18pt ²	Ratio: 3.79 AA 18pt ²
Hex(7FA0AB)	Ratio: 2.92 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 2.71 Failed ⁵
Hex(99BBC6)	Ratio: 3.99 AA 18pt ²	Ratio: 2.04 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.98 Failed ⁵
Hex(B4D6E2)	Ratio: 5.30 AA ¹ AAA 18pt ⁴	Ratio: 1.54 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.49 Failed ⁵
Hex(D0F3FF)	Ratio: 6.97 AA ¹ AAA 18pt ⁴	Ratio: 1.17 Failed ⁵	Ratio: 3.34 AA 18pt ²	Ratio: 2.39 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.13 Failed ⁵
Hex(EDFFFF)	Ratio: 7.90 Passed ⁶	Ratio: 1.03 Failed ⁵	Ratio: 3.79 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.13 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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