

Converting Colors - WCAG Matrix

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

Hex(DEA5DE) Hex(FFEBFF) Hex(A5A5DE) Hex(807380) Hex(000000) Hex(808080)

	Hex(DEA5DE)	Hex(FFEBFF)	Hex(A5A5DE)	Hex(807380)	Hex(000000)	Hex(808080)
Hex(DEA5DE)		Ratio: 1.76 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 10.54 Passed ⁶	Ratio: 1.98 Failed ⁵
Hex(FFEBFF)	Ratio: 1.76 Failed ⁵		Ratio: 2.06 Failed ⁵	Ratio: 3.97 AA 18pt ²	Ratio: 18.58 Passed ⁶	Ratio: 3.49 AA 18pt ²
Hex(A5A5DE)	Ratio: 1.17 Failed ⁵	Ratio: 2.06 Failed ⁵		Ratio: 1.93 Failed ⁵	Ratio: 9.04 Passed ⁶	Ratio: 1.70 Failed ⁵
Hex(807380)	Ratio: 2.25 Failed ⁵	Ratio: 3.97 AA 18pt ²	Ratio: 1.93 Failed ⁵		Ratio: 4.68 AA ¹ AAA 18pt ⁴	Ratio: 1.14 Failed ⁵
Hex(000000)	Ratio: 10.54 Passed ⁶	Ratio: 18.58 Passed ⁶	Ratio: 9.04 Passed ⁶	Ratio: 4.68 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.98 Failed ⁵	Ratio: 3.49 AA 18pt ²	Ratio: 1.70 Failed ⁵	Ratio: 1.14 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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