

Converting Colors - WCAG Matrix

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

Hex(5DE3BD) Hex(D1FFF2) Hex(83E35D) Hex(638078) Hex(000000) Hex(808080)

	Hex(5DE3BD)	Hex(D1FFF2)	Hex(83E35D)	Hex(638078)	Hex(000000)	Hex(808080)
Hex(5DE3BD)		Ratio: 1.46 Failed ⁵	Ratio: 1.01 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 13.19 Passed ⁶	Ratio: 2.48 Failed ⁵
Hex(D1FFF2)	Ratio: 1.46 Failed ⁵		Ratio: 1.47 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 19.30 Passed ⁶	Ratio: 3.63 AA 18pt ²
Hex(83E35D)	Ratio: 1.01 Failed ⁵	Ratio: 1.47 Failed ⁵		Ratio: 2.68 Failed ⁵	Ratio: 13.11 Passed ⁶	Ratio: 2.47 Failed ⁵
Hex(638078)	Ratio: 2.70 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 2.68 Failed ⁵		Ratio: 4.89 AA ¹ AAA 18pt ⁴	Ratio: 1.09 Failed ⁵
Hex(000000)	Ratio: 13.19 Passed ⁶	Ratio: 19.30 Passed ⁶	Ratio: 13.11 Passed ⁶	Ratio: 4.89 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 2.48 Failed ⁵	Ratio: 3.63 AA 18pt ²	Ratio: 2.47 Failed ⁵	Ratio: 1.09 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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