

Converting Colors - WCAG Matrix

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

Hex(5D0000) Hex(785454) Hex(5D005D) Hex(3D2727) Hex(BDBDBD) Hex(3D3D3D)

	Hex(5D0000)	Hex(785454)	Hex(5D005D)	Hex(3D2727)	Hex(BDBDBD)	Hex(3D3D3D)
Hex(5D0000)		Ratio: 2.18 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.04 Failed ⁵	Ratio: 7.63 Passed ⁶	Ratio: 1.32 Failed ⁵
Hex(785454)	Ratio: 2.18 Failed ⁵		Ratio: 1.97 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 3.50 AA 18pt ²	Ratio: 1.65 Failed ⁵
Hex(5D005D)	Ratio: 1.11 Failed ⁵	Ratio: 1.97 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 6.89 AA ¹ AAA 18pt ⁴	Ratio: 1.19 Failed ⁵
Hex(3D2727)	Ratio: 1.04 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 7.36 Passed ⁶	Ratio: 1.27 Failed ⁵
Hex(BDBDBD)	Ratio: 7.63 Passed ⁶	Ratio: 3.50 AA 18pt ²	Ratio: 6.89 AA ¹ AAA 18pt ⁴	Ratio: 7.36 Passed ⁶		Ratio: 5.78 AA ¹ AAA 18pt ⁴
Hex(3D3D3D)	Ratio: 1.32 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 5.78 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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