

Converting Colors - WCAG Matrix

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

	Hex(663333)	Hex(663D3D)	Hex(664747)	Hex(665252)	Hex(665C5C)	Hex(666666)	Hex(667070)	Hex(667A7A)	Hex(668585)	Hex(668F8F)
Hex(663333)		Ratio: 1.10 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 2.82 Failed ⁵
Hex(663D3D)	Ratio: 1.10 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 2.56 Failed ⁵
Hex(664747)	Ratio: 1.23 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.30 Failed ⁵
Hex(665252)	Ratio: 1.39 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.04 Failed ⁵
Hex(665C5C)	Ratio: 1.56 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.81 Failed ⁵
Hex(666666)	Ratio: 1.75 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.61 Failed ⁵
Hex(667070)	Ratio: 1.97 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.43 Failed ⁵
Hex(667A7A)	Ratio: 2.22 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.27 Failed ⁵
Hex(668585)	Ratio: 2.52 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.12 Failed ⁵
Hex(668F8F)	Ratio: 2.82 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.12 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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