

Converting Colors - WCAG Matrix

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

	Hex(432F2F)	Hex(433636)	Hex(433C3C)	Hex(434343)	Hex(434A4A)	Hex(435151)	Hex(435757)	Hex(435E5E)	Hex(436565)	Hex(436B6B)
Hex(432F2F)		Ratio: 1.08 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.11 Failed ⁵
Hex(433636)	Ratio: 1.08 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.95 Failed ⁵
Hex(433C3C)	Ratio: 1.16 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.82 Failed ⁵
Hex(434343)	Ratio: 1.26 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.67 Failed ⁵
Hex(434A4A)	Ratio: 1.37 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.53 Failed ⁵
Hex(435151)	Ratio: 1.50 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.08 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.40 Failed ⁵
Hex(435757)	Ratio: 1.62 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.08 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.30 Failed ⁵
Hex(435E5E)	Ratio: 1.78 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.18 Failed ⁵
Hex(436565)	Ratio: 1.95 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.08 Failed ⁵
Hex(436B6B)	Ratio: 2.11 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.08 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.