

# Converting Colors - WCAG Matrix

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

	Hex(D41210)	Hex(D42725)	Hex(D43C3A)	Hex(D4514F)	Hex(D46665)	Hex(D47B7A)	Hex(D4908F)	Hex(D4A5A4)	Hex(D4BAB9)	Hex(D4CFCF)
Hex(D41210)		Ratio: 1.06 Failed <sup>5</sup>	Ratio: 1.16 Failed <sup>5</sup>	Ratio: 1.31 Failed <sup>5</sup>	Ratio: 1.51 Failed <sup>5</sup>	Ratio: 1.78 Failed <sup>5</sup>	Ratio: 2.10 Failed <sup>5</sup>	Ratio: 2.50 Failed <sup>5</sup>	Ratio: 2.96 Failed <sup>5</sup>	Ratio: 3.50 AA 18pt <sup>2</sup>
Hex(D42725)	Ratio: 1.06 Failed <sup>5</sup>		Ratio: 1.09 Failed <sup>5</sup>	Ratio: 1.24 Failed <sup>5</sup>	Ratio: 1.43 Failed <sup>5</sup>	Ratio: 1.68 Failed <sup>5</sup>	Ratio: 1.99 Failed <sup>5</sup>	Ratio: 2.36 Failed <sup>5</sup>	Ratio: 2.80 Failed <sup>5</sup>	Ratio: 3.31 AA 18pt <sup>2</sup>
Hex(D43C3A)	Ratio: 1.16 Failed <sup>5</sup>	Ratio: 1.09 Failed <sup>5</sup>		Ratio: 1.13 Failed <sup>5</sup>	Ratio: 1.31 Failed <sup>5</sup>	Ratio: 1.53 Failed <sup>5</sup>	Ratio: 1.82 Failed <sup>5</sup>	Ratio: 2.16 Failed <sup>5</sup>	Ratio: 2.56 Failed <sup>5</sup>	Ratio: 3.02 AA 18pt <sup>2</sup>
Hex(D4514F)	Ratio: 1.31 Failed <sup>5</sup>	Ratio: 1.24 Failed <sup>5</sup>	Ratio: 1.13 Failed <sup>5</sup>		Ratio: 1.16 Failed <sup>5</sup>	Ratio: 1.36 Failed <sup>5</sup>	Ratio: 1.61 Failed <sup>5</sup>	Ratio: 1.91 Failed <sup>5</sup>	Ratio: 2.26 Failed <sup>5</sup>	Ratio: 2.68 Failed <sup>5</sup>
Hex(D46665)	Ratio: 1.51 Failed <sup>5</sup>	Ratio: 1.43 Failed <sup>5</sup>	Ratio: 1.31 Failed <sup>5</sup>	Ratio: 1.16 Failed <sup>5</sup>		Ratio: 1.17 Failed <sup>5</sup>	Ratio: 1.39 Failed <sup>5</sup>	Ratio: 1.65 Failed <sup>5</sup>	Ratio: 1.96 Failed <sup>5</sup>	Ratio: 2.31 Failed <sup>5</sup>
Hex(D47B7A)	Ratio: 1.78 Failed <sup>5</sup>	Ratio: 1.68 Failed <sup>5</sup>	Ratio: 1.53 Failed <sup>5</sup>	Ratio: 1.36 Failed <sup>5</sup>	Ratio: 1.17 Failed <sup>5</sup>		Ratio: 1.18 Failed <sup>5</sup>	Ratio: 1.41 Failed <sup>5</sup>	Ratio: 1.67 Failed <sup>5</sup>	Ratio: 1.97 Failed <sup>5</sup>
Hex(D4908F)	Ratio: 2.10 Failed <sup>5</sup>	Ratio: 1.99 Failed <sup>5</sup>	Ratio: 1.82 Failed <sup>5</sup>	Ratio: 1.61 Failed <sup>5</sup>	Ratio: 1.39 Failed <sup>5</sup>	Ratio: 1.18 Failed <sup>5</sup>		Ratio: 1.19 Failed <sup>5</sup>	Ratio: 1.41 Failed <sup>5</sup>	Ratio: 1.66 Failed <sup>5</sup>
Hex(D4A5A4)	Ratio: 2.50 Failed <sup>5</sup>	Ratio: 2.36 Failed <sup>5</sup>	Ratio: 2.16 Failed <sup>5</sup>	Ratio: 1.91 Failed <sup>5</sup>	Ratio: 1.65 Failed <sup>5</sup>	Ratio: 1.41 Failed <sup>5</sup>	Ratio: 1.19 Failed <sup>5</sup>		Ratio: 1.19 Failed <sup>5</sup>	Ratio: 1.40 Failed <sup>5</sup>
Hex(D4BAB9)	Ratio: 2.96 Failed <sup>5</sup>	Ratio: 2.80 Failed <sup>5</sup>	Ratio: 2.56 Failed <sup>5</sup>	Ratio: 2.26 Failed <sup>5</sup>	Ratio: 1.96 Failed <sup>5</sup>	Ratio: 1.67 Failed <sup>5</sup>	Ratio: 1.41 Failed <sup>5</sup>	Ratio: 1.19 Failed <sup>5</sup>		Ratio: 1.18 Failed <sup>5</sup>
Hex(D4CFCF)	Ratio: 3.50 AA 18pt <sup>2</sup>	Ratio: 3.31 AA 18pt <sup>2</sup>	Ratio: 3.02 AA 18pt <sup>2</sup>	Ratio: 2.68 Failed <sup>5</sup>	Ratio: 2.31 Failed <sup>5</sup>	Ratio: 1.97 Failed <sup>5</sup>	Ratio: 1.66 Failed <sup>5</sup>	Ratio: 1.40 Failed <sup>5</sup>	Ratio: 1.18 Failed <sup>5</sup>	

Details can be found at <https://www.w3.org/TR/WCAG20/>.

<sup>1</sup> AA

AA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

<sup>2</sup> AA 18pt

AA level for large text above 18pt.

<sup>3</sup> AAA

AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

<sup>4</sup> AAA 18pt

AAA level for large text above 18pt.

<sup>5</sup> Failed

Fails to comply with the Web Content Accessibility Guidelines (WCAG) 2.0.

<sup>6</sup> Passed

Passes the AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for all text sizes.

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