

# Converting Colors - WCAG Matrix

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

Hex(5A6D70) Hex(FFFFFF) Hex(8CA0A4) Hex(A6BBBF) Hex(C2D7DB) Hex(DEF3F7) Hex(FAFFFF)

	Hex(5A6D70)	Hex(FFFFFF)	Hex(8CA0A4)	Hex(A6BBBF)	Hex(C2D7DB)	Hex(DEF3F7)	Hex(FAFFFF)
Hex(5A6D70)		Ratio: 5.45 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 1.99 Failed <sup>5</sup>	Ratio: 2.72 Failed <sup>5</sup>	Ratio: 3.64 AA 18pt <sup>2</sup>	Ratio: 4.74 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 5.40 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(FFFFFF)	Ratio: 5.45 AA <sup>1</sup> AAA 18pt <sup>4</sup>		Ratio: 2.73 Failed <sup>5</sup>	Ratio: 2.00 Failed <sup>5</sup>	Ratio: 1.50 Failed <sup>5</sup>	Ratio: 1.15 Failed <sup>5</sup>	Ratio: 1.01 Failed <sup>5</sup>
Hex(8CA0A4)	Ratio: 1.99 Failed <sup>5</sup>	Ratio: 2.73 Failed <sup>5</sup>		Ratio: 1.36 Failed <sup>5</sup>	Ratio: 1.83 Failed <sup>5</sup>	Ratio: 2.38 Failed <sup>5</sup>	Ratio: 2.71 Failed <sup>5</sup>
Hex(A6BBBF)	Ratio: 2.72 Failed <sup>5</sup>	Ratio: 2.00 Failed <sup>5</sup>	Ratio: 1.36 Failed <sup>5</sup>		Ratio: 1.34 Failed <sup>5</sup>	Ratio: 1.74 Failed <sup>5</sup>	Ratio: 1.99 Failed <sup>5</sup>
Hex(C2D7DB)	Ratio: 3.64 AA 18pt <sup>2</sup>	Ratio: 1.50 Failed <sup>5</sup>	Ratio: 1.83 Failed <sup>5</sup>	Ratio: 1.34 Failed <sup>5</sup>		Ratio: 1.30 Failed <sup>5</sup>	Ratio: 1.48 Failed <sup>5</sup>
Hex(DEF3F7)	Ratio: 4.74 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 1.15 Failed <sup>5</sup>	Ratio: 2.38 Failed <sup>5</sup>	Ratio: 1.74 Failed <sup>5</sup>	Ratio: 1.30 Failed <sup>5</sup>		Ratio: 1.14 Failed <sup>5</sup>
Hex(FAFFFF)	Ratio: 5.40 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 1.01 Failed <sup>5</sup>	Ratio: 2.71 Failed <sup>5</sup>	Ratio: 1.99 Failed <sup>5</sup>	Ratio: 1.48 Failed <sup>5</sup>	Ratio: 1.14 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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