

# Converting Colors - WCAG Matrix

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

Hex(8E78A8) Hex(D1C8DB) Hex(7892A8) Hex(67626E) Hex(EDEDED) Hex(6E6E6E)

	Hex(8E78A8)	Hex(D1C8DB)	Hex(7892A8)	Hex(67626E)	Hex(EDEDED)	Hex(6E6E6E)
Hex(8E78A8)		<a href="#">Ratio: 2.41</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.20</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.52</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 3.32</a> <a href="#">AA 18pt</a> <sup>2</sup>	<a href="#">Ratio: 1.31</a> <a href="#">Failed</a> <sup>5</sup>
Hex(D1C8DB)	<a href="#">Ratio: 2.41</a> <a href="#">Failed</a> <sup>5</sup>		<a href="#">Ratio: 2.01</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 3.66</a> <a href="#">AA 18pt</a> <sup>2</sup>	<a href="#">Ratio: 1.38</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 3.16</a> <a href="#">AA 18pt</a> <sup>2</sup>
Hex(7892A8)	<a href="#">Ratio: 1.20</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 2.01</a> <a href="#">Failed</a> <sup>5</sup>		<a href="#">Ratio: 1.82</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 2.77</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.57</a> <a href="#">Failed</a> <sup>5</sup>
Hex(67626E)	<a href="#">Ratio: 1.52</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 3.66</a> <a href="#">AA 18pt</a> <sup>2</sup>	<a href="#">Ratio: 1.82</a> <a href="#">Failed</a> <sup>5</sup>		<a href="#">Ratio: 5.05</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>	<a href="#">Ratio: 1.16</a> <a href="#">Failed</a> <sup>5</sup>
Hex(EDEDED)	<a href="#">Ratio: 3.32</a> <a href="#">AA 18pt</a> <sup>2</sup>	<a href="#">Ratio: 1.38</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 2.77</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 5.05</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>		<a href="#">Ratio: 4.36</a> <a href="#">AA 18pt</a> <sup>2</sup>
Hex(6E6E6E)	<a href="#">Ratio: 1.31</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 3.16</a> <a href="#">AA 18pt</a> <sup>2</sup>	<a href="#">Ratio: 1.57</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.16</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 4.36</a> <a href="#">AA 18pt</a> <sup>2</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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