

Converting Colors

CIELCh(56, 9.535, 99.890)

Have a look what the booklet for
CIELCh(56, 9.535, 99.890) contains.

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Color

CIELCh(56, 9.748, 101.707)

Conversions

Conversions Part 1

Format	Color
Hex	8A8776
RGB	138, 135, 118
RGB Percent	54%, 53%, 46%
CMY	0.4601, 0.4719, 0.5385
CMYK	0.00, 0.02, 0.15, 0.46
HSL	51°, 8%, 50%
HSV	51°, 15%, 54%
XYZ	22.2962, 23.9124, 20.4805
YIQ	133.9590, 7.2450, -4.6510

Conversions

Conversions Part 2

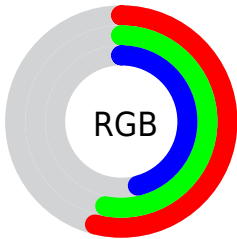
Format	Color
R_{YB}	122, 138, 118
Decimal	9078646
CIE Lab	56.00, -1.98, 9.55
CIE LCh	56, 9.748, 101.707
Yxy	23.9124, 0.3343, 0.3586
Android (android.graphics.Color)	4287268726 (0xFF8A8776)
YUV	133.9590, -7.8678, 3.5440
Hunter-Lab	48.9003, -4.1880, 9.3983

Details

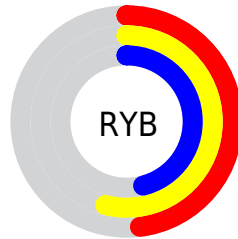
The CIELCh color **56, 9.748, 101.707** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **51, 9.953, 284.944**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 9.756, 100.187**, and **36, 9.351, 100.228** is the 20% darker color. If you saturate the color by 10%, you get **55, 16.482, 100.630**, and if you desaturate by 10%, it is **57, 3.024, 102.756**.

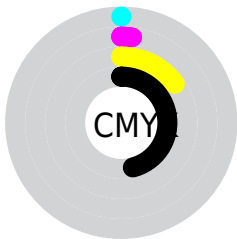
Distribution



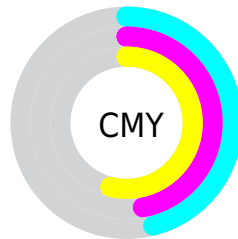
- Red (54%)
- Green (53%)
- Blue (46%)



- Red (48%)
- Yellow (54%)
- Blue (46%)



- Cyan (0%)
- Magenta (2%)
- Yellow (15%)
- Black (46%)



- Cyan (46%)
- Magenta (47%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 9.748, 101.707 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 56, 9.748, 101.707 by changing the saturation by 10% instead.

■ 56, 9.748, 101.707

■ 56, 9.748, 101.707

■ 100, 9.748,
101.707

■ 46, 9.748, 101.707

■ 76, 9.748, 101.707

■ 36, 9.748, 101.707

■ 86, 9.748, 101.707

■ 26, 9.748, 101.707

■ 96, 9.748, 101.707

■ 16, 9.748, 101.707

■ 6, 9.748, 101.707

■ 0, 9.748, 101.707

■ 56, 9.748, 101.707

■ 56, 9.748, 101.707

■ 55, 16.482,
100.630

■ 57, 3.024, 102.756

■ 58, 3.671, 283.847

■ 54, 23.181, 99.524

■ 59, 10.321,
284.824

■ 53, 29.776, 98.409

■ 60, 16.919,
285.773

■ 53, 36.151, 97.295

■ 52, 42.119, 96.192

■ 61, 23.460,
286.682

■ 51, 47.391, 95.106

■ 62, 29.944,
287.547

■ 51, 51.571, 94.035

■ 50, 54.272, 92.961

■ 63, 36.369,
288.368

■ 50, 55.531, 92.384

■ 64, 42.734,
289.145

■ 65, 49.041,
289.878

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



56, 9.748, 101.707



51, 9.953, 284.944

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



56, 9.748, 101.707



56, 9.748, 151.707



56, 9.748, 281.707



56, 9.748, 331.707

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



56, 9.749, 101.715



72, 3.307, 102.798



51, 8.375, 8.403



38, 2.342, 102.732



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



56, 9.749, 101.715



71, 14.118, 101.409



56, 11.729, 122.926



29, 3.784, 102.284



48, 54.057, 92.425



1, 1.758, 103.257

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



51, 9.953, 284.944



64, 14.470, 285.316



51, 12.029, 304.452



27, 3.838, 284.287



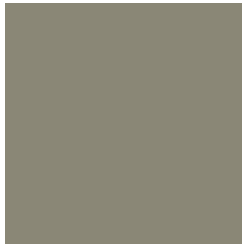
16, 74.056, 303.272



0, 1.759, 283.260

Previews

White Background



This preview shows how the CIELCh color 56, 9.748, 101.707 looks on a white background.

Color Contrast Check

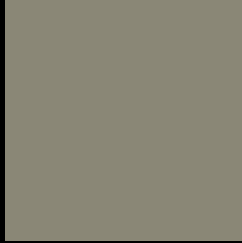
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 56, 9.748, 101.707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

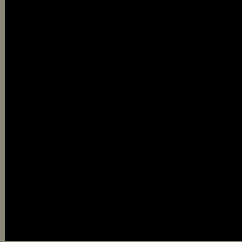
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

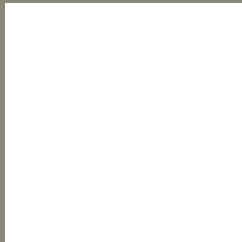
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 56, 9.748, 101.707

Background



This preview shows how black text looks on a background with the CIELCh color 56, 9.748, 101.707.



This preview shows how white text looks on a background with the CIELCh color 56, 9.748, 101.707.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

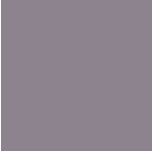
56, 9.748, 101.707

Protanopia

56, 9.993, 94.572

Deuteranopia

56, 11.608, 49.516



Tritanopia
56, 7.442, 322.312

Trichromacy



Original Color
56, 9.748, 101.707

Protanomaly
56, 9.898, 96.913

Deuteranomaly
56, 9.575, 65.256

Tritanomaly
56, 3.238, 9.471

Monochromacy



Original Color
56, 9.748, 101.707

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 3.440, 103.067

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 9.748, 101.707 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(138, 135, 118)` looks like.

```
.text, #text, p{  
    color:rgb(138, 135, 118)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(138, 135, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 135, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 9.748, 101.707 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(138, 135, 118) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(138, 135, 118) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(138, 135, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 135, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 135, 118);  
box-shadow:4px 4px 4px 4px rgb(138, 135,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 9.748, 101.707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 135, 118) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(138,  
135, 118) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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