

Converting Colors

CIELCh(51, 8.513, 109.072)

Have a look what the booklet for
CIELCh(51, 8.513, 109.072) contains.

CIELCh(51, 8.119, 109.119)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(51, 8.119, 109.119)

Conversions

Conversions Part 1

Format	Color
Hex	7A7A6C
RGB	122, 122, 108
RGB Percent	48%, 48%, 42%
CMY	0.5201, 0.5201, 0.5750
CMYK	0.00, 0.00, 0.11, 0.52
HSL	60°, 6%, 45%
HSV	60°, 11%, 48%
XYZ	17.8130, 19.2686, 17.0720
YIQ	120.4040, 4.4940, -4.3540

Conversions

Conversions Part 2

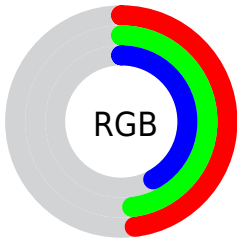
Format	Color
RYB	108, 122, 108
Decimal	8026732
CIELab	51.00, -2.66, 7.67
CIElCh	51, 8.119, 109.119
Yxy	19.2686, 0.3289, 0.3558
Android (android.graphics.Color)	4286216812 (0xFF7A7A6C)
YUV	120.4040, -6.1152, 1.3997
Hunter-Lab	43.8960, -4.3829, 7.6683

Details

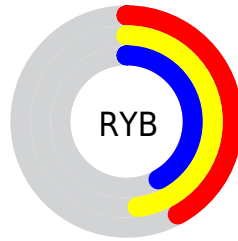
The CIELCh color **51, 8.119, 109.119** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **46, 8.328, 291.329**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 8.157, 109.356**, and **31, 7.603, 108.759** is the 20% darker color. If you saturate the color by 10%, you get **51, 15.170, 108.201**, and if you desaturate by 10%, it is **51, 1.022, 110.008**.

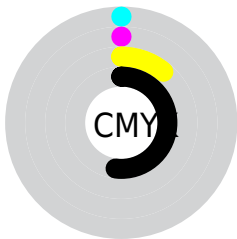
Distribution



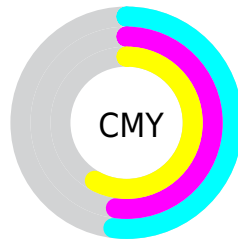
- Red (48%)
- Green (48%)
- Blue (42%)



- Red (42%)
- Yellow (48%)
- Blue (42%)



- Cyan (0%)
- Magenta (0%)
- Yellow (11%)
- Black (52%)



- Cyan (52%)
- Magenta (52%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 8.119, 109.119 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 51, 8.119, 109.119 by changing the saturation by 10% instead.

■ 51, 8.119, 109.119

■ 51, 8.119, 109.119

■ 100, 8.119,
109.119

■ 41, 8.119, 109.119

■ 71, 8.119, 109.119

■ 31, 8.119, 109.119

■ 81, 8.119, 109.119

■ 21, 8.119, 109.119

■ 91, 8.119, 109.119

■ 11, 8.119, 109.119

■ 1, 8.119, 109.119

■ 0, 8.119, 109.119

■ 51, 8.119, 109.119

■ 51, 8.119, 109.119

■ 51, 15.170,
108.201

■ 51, 1.022, 110.008

■ 52, 6.092, 290.960

■ 50, 22.123,
107.279

■ 52, 13.199,
291.831

■ 50, 28.904,
106.377

■ 53, 20.286,
292.673

■ 50, 35.402,
105.519

■ 53, 27.339,
293.480

■ 50, 41.446,
104.729

■ 54, 34.351,
294.248

■ 50, 46.801,
104.041

■ 54, 41.313,
294.977

■ 50, 51.165,
103.491

■ 55, 48.220,
295.665

■ 50, 54.245,
103.110

■ 55, 55.068,
296.312

■ 50, 56.287,
102.860

Harmonies

Complementary

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



51, 8.119, 109.119



46, 8.328, 291.329

Rectangle

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



51, 8.119, 109.119



51, 8.119, 159.119



51, 8.119, 289.119



51, 8.119, 339.119

Sweetspot

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



51, 8.120, 109.127



65, 2.622, 109.883



47, 5.846, 20.050



34, 1.978, 109.821



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



51, 8.120, 109.127



65, 12.239, 108.860



50, 8.660, 128.592



26, 3.997, 109.345



51, 57.133, 102.860



96, 96.175, 102.860

Inverse Universe

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



46, 8.328, 291.329



57, 12.628, 291.650



47, 8.795, 309.552



23, 4.080, 291.076



12, 78.889, 306.288



32, 132.800, 306.287

Previews

White Background



This preview shows how the CIELCh color 51, 8.119, 109.119 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 CIE LCh color 51, 8.119, 109.119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

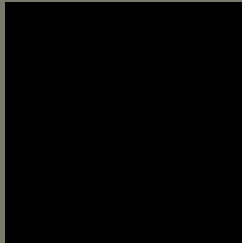
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

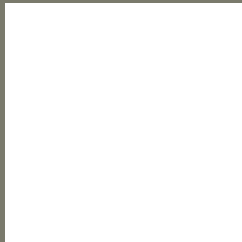
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 8.119, 109.119

Background



This preview shows how black text looks on a background with the CIELCh color 51, 8.119, 109.119.

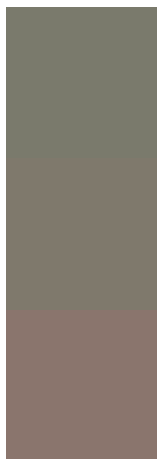


This preview shows how white text looks on a background with the CIELCh color 51, 8.119, 109.119.

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

51, 8.119, 109.119

Protanopia

51, 7.947, 90.702

Deuteranopia

51, 10.086, 47.506



Tritanopia
51, 6.327, 312.776

Trichromacy



Original Color
51, 8.119, 109.119

Protanomaly
51, 8.206, 100.314

Deuteranomaly
51, 7.997, 66.149

Tritanomaly
51, 1.720, 359.599

Monochromacy



Original Color
51, 8.119, 109.119

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 3.480, 109.716

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 8.119, 109.119 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(122, 122, 108)` looks like.

```
.text, #text, p{  
    color:rgb(122, 122, 108)  
}
```

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(122, 122, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 122, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 8.119, 109.119 is called "border". The border property can be set on classes, ids or directly on the HTML element.

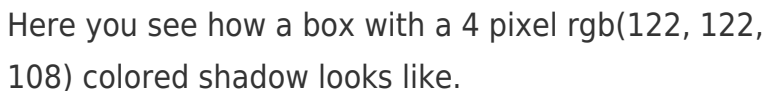
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(122, 122, 108) }
```

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

```
.border{ border-color:rgb(122, 122, 108) }
```

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



Here you see how a box with a 4 pixel `rgb(122, 122, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(122, 122, 108); -webkit-box-shadow:4px 4px 4px 4px rgb(122, 122, 108); box-shadow:4px 4px 4px 4px rgb(122, 122, 108) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 8.119, 109.119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 122, 108) }
```

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

```
.background{ background-color: rgb(122,  
122, 108) }
```

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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