

Converting Colors

CIELCh(50, 11.540, 99.720)

Have a look what the booklet for
CIELCh(50, 11.540, 99.720) contains.

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Color

CIELCh(50, 11.179, 99.911)

Conversions

Conversions Part 1

Format	Color
Hex	7B7764
RGB	123, 119, 100
RGB Percent	48%, 47%, 39%
CMY	0.5165, 0.5322, 0.6068
CMYK	0.00, 0.03, 0.19, 0.52
HSL	50°, 10%, 44%
HSV	50°, 19%, 48%
XYZ	17.1536, 18.4187, 14.7777
YIQ	118.0300, 8.4830, -5.0610

Conversions

Conversions Part 2

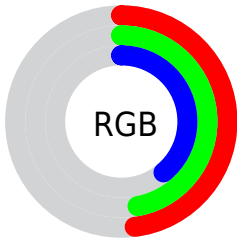
Format	Color
R_{YB}	105, 123, 100
Decimal	8091492
CIE Lab	50.00, -1.92, 11.01
CIE LCh	50, 11.179, 99.911
Yxy	18.4187, 0.3407, 0.3658
Android (android.graphics.Color)	4286281572 (0xFF7B7764)
YUV	118.0300, -8.8888, 4.3587
Hunter-Lab	42.9170, -3.7597, 9.6264

Details

The CIELCh color **50, 11.179, 99.911** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **44, 11.442, 284.176**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 11.069, 98.792**, and **30, 11.511, 100.826** is the 20% darker color. If you saturate the color by 10%, you get **49, 17.194, 98.809**, and if you desaturate by 10%, it is **51, 5.173, 100.994**.

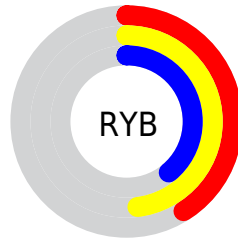
Distribution



Red (48%)

Green (47%)

Blue (39%)



Red (41%)

Yellow (48%)

Blue (39%)

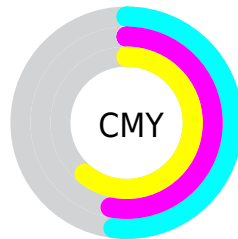


Cyan (0%)

Magenta (3%)

Yellow (19%)

Black (52%)



Cyan (52%)












Magenta (53%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 11.179, 99.911 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 50, 11.179, 99.911 by changing the saturation by 10% instead.

 50, 11.179, 99.911	 50, 11.179, 99.911
 100, 11.179, 99.911	 40, 11.179, 99.911
 70, 11.179, 99.911	 30, 11.179, 99.911
 80, 11.179, 99.911	 20, 11.179, 99.911
 90, 11.179, 99.911	 10, 11.179, 99.911
	 0, 11.179, 99.911

 50, 11.179, 99.911	 50, 11.179, 99.911
 49, 17.194, 98.809	 51, 5.173, 100.994
 48, 23.173, 97.679	 52, 0.803, 282.193
 47, 29.046, 96.538	 53, 6.735, 283.102

47, 34.694, 95.392

54, 12.616,
284.073

46, 39.925, 94.248

55, 18.443,
285.006

45, 44.447, 93.101

45, 47.879, 91.935

56, 24.215,
285.896

44, 50.326, 90.755

57, 29.932,
286.742

44, 50.676, 90.603

58, 35.593,
287.544

59, 41.201,
288.303

Harmonies

Complementary

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



50, 11.179, 99.911



44, 11.442, 284.176

Rectangle

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



50, 11.179, 99.911



50, 11.179, 149.911



50, 11.179, 279.911



50, 11.179, 329.911

Sweetspot

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



50, 11.180, 99.918



65, 4.443, 101.255



45, 10.022, 6.270



34, 2.971, 101.203



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



50, 11.180, 99.918



64, 16.378, 99.492



51, 13.685, 121.427



25, 3.344, 100.953



44, 51.161, 90.584



85, 85.726, 89.826

Inverse Universe

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



44, 11.442, 284.176



55, 16.847, 284.722



44, 14.153, 303.514



24, 3.386, 282.956



16, 68.936, 302.412



36, 121.093, 303.678

Previews

White Background



This preview shows how the CIELCh color 50, 11.179, 99.911 looks on a white 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

Black Background



This preview shows how the CIELCh color 50, 11.179, 99.911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

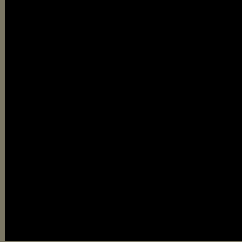
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

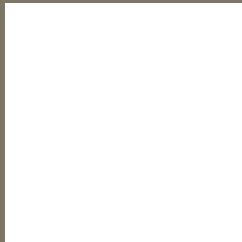
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 11.179, 99.911

Background



This preview shows how black text looks on a background with the CIELCh color 50, 11.179, 99.911.



This preview shows how white text looks on a background with the CIELCh color 50, 11.179, 99.911.

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

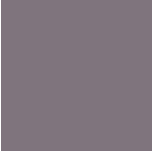
50, 11.179, 99.911

Protanopia

50, 11.342, 95.607

Deuteranopia

50, 12.611, 56.910



Tritanopia
50, 6.888, 330.377

Trichromacy



Original Color
50, 11.179, 99.911

Protanomaly
50, 11.252, 97.746

Deuteranomaly
50, 11.183, 70.896

Tritanomaly
50, 3.730, 28.693

Monochromacy



Original Color
50, 11.179, 99.911

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 3.588, 96.452

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 11.179, 99.911 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(123, 119, 100)` looks like.

```
.text, #text, p{  
    color:rgb(123, 119, 100)  
}
```

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(123, 119, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 119, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 11.179, 99.911 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(123, 119, 100) }
```

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

```
.border{ border-color:rgb(123, 119, 100) }
```

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

Here you see how a box with a 4 pixel rgb(123, 119, 100) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 119, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 119, 100);  
box-shadow:4px 4px 4px 4px rgb(123, 119,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 11.179, 99.911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 119, 100) }
```

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

```
.background{ background-color: rgb(123,  
119, 100) }
```

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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