

Converting Colors

CIELCh(50, 13.456, 128.295)

Have a look what the booklet for
CIELCh(50, 13.456, 128.295)
contains.

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Color

CIELCh(50, 13.597, 128.300)

Conversions

Conversions Part 1

Format	Color
Hex	707B65
RGB	112, 123, 101
RGB Percent	44%, 48%, 40%
CMY	0.5623, 0.5192, 0.6054
CMYK	0.09, 0.00, 0.18, 0.52
HSL	90°, 10%, 44%
HSV	90°, 18%, 48%
XYZ	15.9963, 18.4187, 14.9256
YIQ	117.2030, 0.5060, -9.1740

Conversions

Conversions Part 2

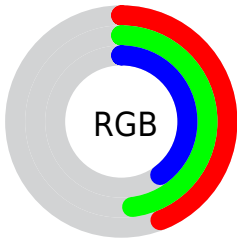
Format	Color
RYB	101, 123, 112
Decimal	7371621
CIELab	50.00, -8.43, 10.67
CIELCh	50, 13.597, 128.300
Yxy	18.4187, 0.3242, 0.3733
Android (android.graphics.Color)	4285561701 (0xFF707B65)
YUV	117.2030, -7.9881, -4.5630
Hunter-Lab	42.9170, -8.5731, 9.4221

Details

The CIELCh color **50, 13.597, 128.300** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **44, 13.920, 309.862**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 13.258, 127.723**, and **30, 13.497, 127.956** is the 20% darker color. If you saturate the color by 10%, you get **49, 21.157, 127.838**, and if you desaturate by 10%, it is **51, 6.007, 128.754**.

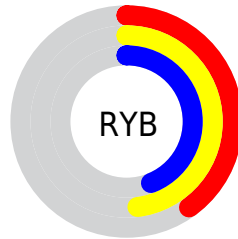
Distribution



Red (44%)

Green (48%)

Blue (40%)



Red (40%)

Yellow (48%)

Blue (44%)

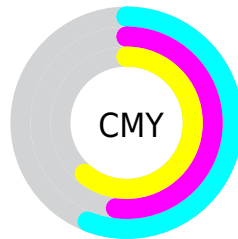


Cyan (9%)

Magenta (0%)

Yellow (18%)

Black (52%)



Cyan (56%)


Magenta (52%)


Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 13.597, 128.300 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, 13.597, 128.300 by changing the saturation by 10% instead.


 50, 13.597,
128.300


 50, 13.597,
128.300


 100, 13.597,
128.300


 40, 13.597,
128.300


 70, 13.597,
128.300

 30, 13.597,
128.300


 80, 13.597,
128.300


 20, 13.597,
128.300

 90, 13.597,
128.300

 10, 13.597,
128.300

 0, 13.597, 128.300

 50, 13.597,
128.300

 50, 13.597,
128.300

■ 49, 21.157,
127.838

■ 51, 6.007, 128.754

■ 49, 28.611,
127.373

■ 52, 1.568, 309.103

■ 53, 9.089, 309.531

■ 48, 35.860,
126.935

■ 53, 16.529,
309.885

■ 47, 42.760,
126.569

■ 54, 23.872,
310.204

■ 47, 49.108,
126.342

■ 56, 31.102,
310.490

■ 46, 54.638,
126.351

■ 57, 38.212,
310.746

■ 46, 59.048,
126.707

■ 58, 45.197,
310.975

■ 46, 62.402,
127.358

■ 59, 52.052,
311.178

■ 46, 63.092,

127.465

Harmonies

Complementary

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



50, 13.597, 128.300



44, 13.920, 309.862

Rectangle

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



50, 13.597, 128.300



50, 13.597, 178.300



50, 13.597, 308.300



50, 13.597, 358.300

Sweetspot

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



50, 13.598, 128.302



66, 4.716, 128.881



48, 8.001, 73.286



34, 3.244, 128.854



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, 13.598, 128.302



64, 20.806, 128.089



49, 15.767, 143.375



25, 4.259, 128.703



47, 63.976, 127.497



89, 108.602, 128.363

Inverse Universe

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



44, 13.920, 309.862



55, 21.429, 310.087



45, 15.781, 325.369



24, 4.314, 309.447



18, 73.305, 312.278



40, 124.091, 311.683

Previews

White Background



This preview shows how the CIE LCh color 50, 13.597, 128.300 looks on a white background.

Color Contrast Check

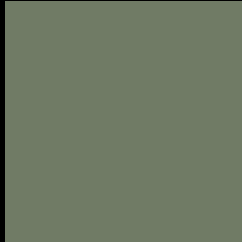
Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 13.597, 128.300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

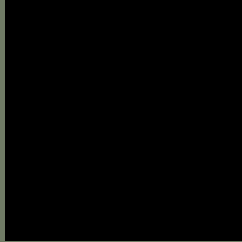
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

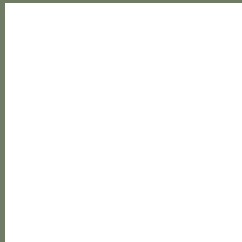
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 13.597, 128.300

Background



This preview shows how black text looks on a background with the CIELCh color 50, 13.597, 128.300.



This preview shows how white text looks on a background with the CIELCh color 50, 13.597, 128.300.

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, 13.597, 128.300

Protanopia
50, 11.909, 96.130

Deuteranopia
50, 11.875, 56.078



Tritanopia
50, 5.372, 278.369

Trichromacy



Original Color
50, 13.597, 128.300

Protanomaly
50, 11.620, 108.642

Deuteranomaly
50, 10.276, 84.264

Tritanomaly
50, 2.680, 173.380

Monochromacy



Original Color
50, 13.597, 128.300

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 4.964, 128.805

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 13.597, 128.300 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(112, 123, 101)` looks like.

```
.text, #text, p{  
    color:rgb(112, 123, 101)  
}
```

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(112, 123, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 123, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 13.597, 128.300 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(112, 123, 101) }
```

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

```
.border{ border-color:rgb(112, 123, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 123, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 123, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 123, 101);  
box-shadow:4px 4px 4px 4px rgb(112, 123,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 13.597, 128.300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 123, 101) }
```

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

```
.background{ background-color: rgb(112,  
123, 101) }
```

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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