

Converting Colors

CIELCh(50, 53.311, 100.665)

Have a look what the booklet for
CIELCh(50, 53.311, 100.665)
contains.

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Color

CIELCh(50, 53.421, 100.613)

Conversions

Conversions Part 1

Format	Color
Hex	7F7A0E
RGB	127, 122, 14
RGB Percent	50%, 48%, 5%
CMY	0.5025, 0.5221, 0.9459
CMYK	0.00, 0.04, 0.89, 0.50
HSL	57°, 80%, 28%
HSV	57°, 89%, 50%
XYZ	15.7521, 18.4187, 3.1329
YIQ	111.1830, 37.6480, -32.5280

Conversions

Conversions Part 2

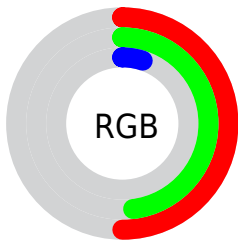
Format	Color
RYB	19, 127, 14
Decimal	8354318
CIELab	50.00, -9.84, 52.51
CIELCh	50, 53.421, 100.613
Yxy	18.4187, 0.4223, 0.4937
Android (android.graphics.Color)	4286544398 (0xFF7F7A0E)
YUV	111.1830, -47.9112, 13.8715
Hunter-Lab	42.9170, -9.5886, 25.7137

Details

The CIELCh color **50, 53.421, 100.613** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **16, 71.184, 303.889**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 53.471, 100.482**, and **30, 39.647, 102.852** is the 20% darker color. If you saturate the color by 10%, you get **50, 55.767, 100.125**, and if you desaturate by 10%, it is **50, 50.016, 101.209**.

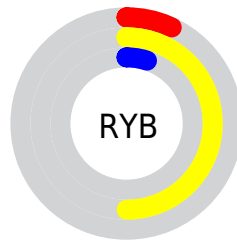
Distribution



Red (50%)

Green (48%)

Blue (5%)



Red (7%)

Yellow (50%)

Blue (5%)

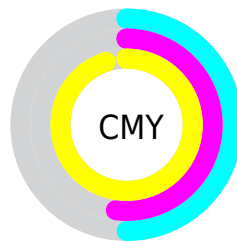


Cyan (0%)

Magenta (4%)

Yellow (89%)

Black (50%)



Cyan (50%)


Magenta (52%)


Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 53.421, 100.613 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, 53.421, 100.613 by changing the saturation by 10% instead.


 50, 53.421,
100.613


 50, 53.421,
100.613


 100, 53.421,
100.613


 40, 53.421,
100.613


 70, 53.421,
100.613

 30, 53.421,
100.613


 80, 53.421,
100.613


 20, 53.421,
100.613

 90, 53.421,
100.613

 10, 53.421,
100.613

 0, 53.421, 100.613

 50, 53.421,
100.613

 50, 53.421,
100.613

■ 50, 55.767,
100.125

■ 50, 50.016,
101.209

■ 50, 55.977,
100.082

■ 50, 45.358,
101.929

■ 51, 39.788,
102.750

■ 51, 33.611,
103.643

■ 51, 27.054,
104.582

■ 52, 20.269,
105.547

■ 52, 13.357,
106.519

■ 53, 6.380, 107.483

■ 53, 0.620, 288.538

Harmonies

Complementary

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



50, 53.421, 100.613



16, 71.184, 303.889

Rectangle

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



50, 53.421, 100.613



50, 53.421, 150.613



50, 53.421, 280.613



50, 53.421, 330.613

Sweetspot

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



50, 53.421, 100.615



66, 23.399, 105.691



26, 54.371, 33.172



35, 15.869, 105.417



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



50, 53.421, 100.615



64, 67.983, 100.013



48, 60.147, 125.012



27, 3.957, 107.485



50, 56.181, 100.081



0, 0.000, 0.000

Inverse Universe

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



16, 71.184, 303.889



20, 94.828, 305.683



20, 69.780, 311.313



24, 4.033, 289.291



14, 77.696, 305.464



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 50, 53.421, 100.613 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, 53.421, 100.613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

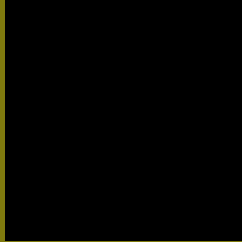
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 53.421, 100.613

Background



This preview shows how black text looks on a background with the CIELCh color 50, 53.421, 100.613.

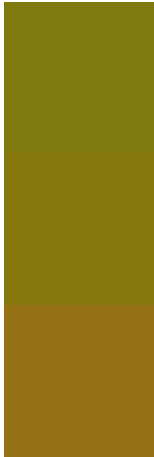


This preview shows how white text looks on a background with the CIELCh color 50, 53.421, 100.613.

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, 53.421, 100.613

Protanopia

50, 53.072, 95.292

Deuteranopia

50, 51.562, 82.992



Tritanopia
50, 10.024, 349.046

Trichromacy



Original Color
50, 53.421, 100.613

Protanomaly
50, 53.165, 97.427

Deuteranomaly
50, 51.663, 89.184

Tritanomaly
49, 20.396, 88.226

Monochromacy



Original Color
50, 53.421, 100.613

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 22.649, 104.784

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 53.421, 100.613 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(127, 122, 14)` looks like.

```
.text, #text, p{  
    color:rgb(127, 122, 14)  
}
```

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(127, 122, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 122, 14) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 53.421, 100.613 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(127, 122, 14) }
```

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

```
.border{ border-color:rgb(127, 122, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 122, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 122, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 122, 14);  
box-shadow:4px 4px 4px 4px rgb(127, 122,  
14) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 53.421, 100.613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 122, 14) }
```

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

```
.background{ background-color: rgb(127,  
122, 14) }
```

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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