

Converting Colors

CIELCh(49, 72.586, 99.052)

Have a look what the booklet for
CIELCh(49, 72.586, 99.052) contains.

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Color

CIELCh(49, 55.547, 100.353)

Conversions

Conversions Part 1

Format	Color
Hex	7C7700
RGB	124, 119, 0
RGB Percent	49%, 47%, 0%
CMY	0.5124, 0.5318, 1.0000
CMYK	0.00, 0.04, 1.00, 0.51
HSL	58°, 100%, 24%
HSV	58°, 100%, 49%
XYZ	14.9981, 17.5941, 2.5775
YIQ	106.9290, 41.1790, -35.9490

Conversions

Conversions Part 2

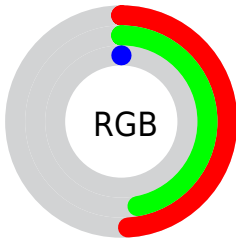
Format	Color
R_{YB}	5, 124, 0
Decimal	8156928
CIE Lab	49.00, -9.98, 54.64
CIE LCh	49, 55.547, 100.353
Yxy	17.5941, 0.4264, 0.5003
Android (android.graphics.Color)	4286347008 (0xFF7C7700)
YUV	106.9290, -52.7160, 14.9713
Hunter-Lab	41.9453, -9.5792, 25.7183

Details

The CIELCh color **49, 55.547, 100.353** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **13, 76.463, 305.523**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 55.239, 100.339**, and **29, 38.520, 102.866** is the 20% darker color. If you saturate the color by 10%, you get **49, 55.344, 100.372**, and if you desaturate by 10%, it is **49, 52.997, 100.842**.

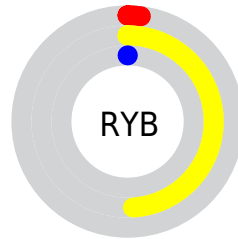
Distribution



Red (49%)

Green (47%)

Blue (0%)



Red (2%)

Yellow (49%)

Blue (0%)

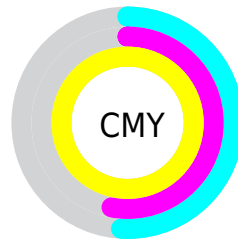


Cyan (0%)

Magenta (4%)

Yellow (100%)

Black (51%)



Cyan (51%)


Magenta (53%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 55.547, 100.353 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 49, 55.547, 100.353 by changing the saturation by 10% instead.


 49, 55.547,
100.353


 49, 55.547,
100.353


 100, 55.547,
100.353


 39, 55.547,
100.353

 69, 55.547,
100.353


 29, 55.547,
100.353

 79, 55.547,
100.353

 19, 55.547,
100.353

 89, 55.547,
100.353

 9, 55.547, 100.353

 99, 55.547,
100.353

 0, 55.547, 100.353

 49, 55.547,

 49, 55.547,

100.353

100.353

■ 49, 55.344,
100.372

■ 49, 52.997,
100.842

■ 49, 49.742,
101.407

■ 50, 45.233,
102.103

■ 50, 39.799,
102.905

■ 50, 33.744,
103.783

■ 50, 27.297,
104.711

■ 51, 20.614,
105.667

■ 51, 13.796,
106.633

Harmonies

Complementary

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



49, 55.547, 100.353



13, 76.463, 305.523

Rectangle

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



49, 55.547, 100.353



49, 55.547, 150.353



49, 55.547, 280.353



49, 55.547, 330.353

Sweetspot

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



49, 55.344, 100.372



65, 25.413, 105.599



25, 58.415, 36.136



34, 17.437, 105.265



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



49, 55.344, 100.372



62, 66.646, 100.311



47, 62.732, 125.732



26, 3.841, 107.682



49, 55.541, 100.371



94, 93.357, 100.232

Inverse Universe

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



13, 76.463, 305.523



19, 92.798, 305.722



17, 73.805, 311.199



23, 3.915, 289.468



13, 76.748, 305.527



32, 131.246, 305.964

Previews

White Background



This preview shows how the CIELCh color 49, 55.547, 100.353 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 CIE LCh color 49, 55.547, 100.353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

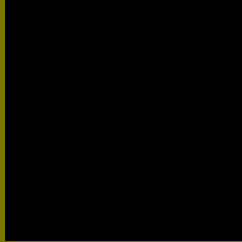
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 55.547, 100.353

Background



This preview shows how black text looks on a background with the CIELCh color 49, 55.547, 100.353.



This preview shows how white text looks on a background with the CIELCh color 49, 55.547, 100.353.

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

49, 55.216, 100.334

Protanopia

49, 55.029, 95.198

Deuteranopia

49, 52.098, 83.506



Tritanopia
49, 10.054, 349.067

Trichromacy



Original Color
49, 55.216, 100.334

Protanomaly
49, 55.107, 97.271

Deuteranomaly
49, 52.783, 89.717

Tritanomaly
49, 23.201, 89.936

Monochromacy



Original Color
49, 55.216, 100.334

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 25.543, 105.567

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 55.547, 100.353 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(124, 119, 0)` looks like.

```
.text, #text, p{  
    color:rgb(124, 119, 0)  
}
```

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(124, 119, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 119, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 55.547, 100.353 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(124, 119, 0) }
```

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

```
.border{ border-color:rgb(124, 119, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 119, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 119, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 119, 0);  
box-shadow:4px 4px 4px 4px rgb(124, 119,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 55.547, 100.353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 119, 0) }
```

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

```
.background{ background-color: rgb(124,  
119, 0) }
```

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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