

Converting Colors

CIELCh(47, 89.977, 103.348)

Have a look what the booklet for
CIELCh(47, 89.977, 103.348)
contains.

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Color

CIELCh(47, 55.665, 109.747)

Conversions

Conversions Part 1

Format	Color
Hex	687600
RGB	104, 118, 0
RGB Percent	41%, 46%, 0%
CMY	0.5907, 0.5356, 1.0000
CMYK	0.12, 0.00, 1.00, 0.54
HSL	67°, 100%, 23%
HSV	67°, 100%, 46%
XYZ	12.2764, 16.0195, 2.4197
YIQ	100.3620, 29.5340, -39.6660

Conversions

Conversions Part 2

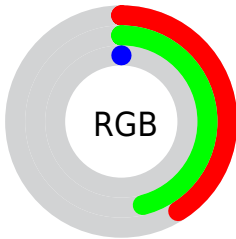
Format	Color
RYB	0, 118, 14
Decimal	6845952
CIELab	47.00, -18.81, 52.39
CIELCh	47, 55.665, 109.747
Yxy	16.0195, 0.3997, 0.5215
Android (android.graphics.Color)	4285036032 (0xFF687600)
YUV	100.3620, -49.4785, 3.1905
Hunter-Lab	40.0243, -15.2922, 24.4327

Details

The CIELCh color $47, 55.665, 109.747$ is a dark color, and the websafe version is hex 666600 . A complement of this color would be $12, 75.172, 306.901$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 55.332, 109.957$, and $27, 39.237, 115.761$ is the 20% darker color. If you saturate the color by 10%, you get $47, 55.478, 109.794$, and if you desaturate by 10%, it is $47, 52.959, 109.689$.

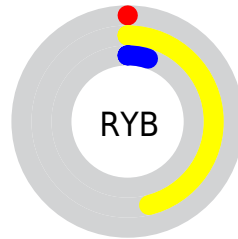
Distribution



Red (41%)

Green (46%)

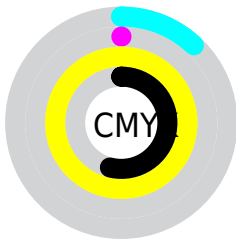
Blue (0%)



Red (0%)

Yellow (46%)

Blue (5%)

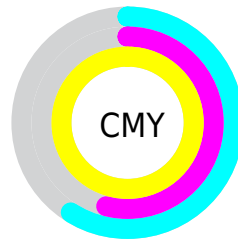


Cyan (12%)

Magenta (0%)

Yellow (100%)

Black (54%)



Cyan (59%)

Magenta (54%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 55.665, 109.747 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 47, 55.665, 109.747 by changing the saturation by 10% instead.

 47, 55.665,
109.747


 47, 55.665,
109.747


 100, 55.665,
109.747


 37, 55.665,
109.747

 67, 55.665,
109.747


 27, 55.665,
109.747

 77, 55.665,
109.747

 17, 55.665,
109.747

 87, 55.665,
109.747

 7, 55.665, 109.747

 97, 55.665,
109.747

 0, 55.665, 109.747

 47, 55.665,

 47, 55.665,

109.747

109.747

■ 47, 55.478,
109.794

■ 47, 52.959,
109.689

■ 47, 49.644,
109.740

■ 48, 45.143,
110.041

■ 48, 39.749,
110.528

■ 48, 33.739,
111.142

■ 48, 27.326,
111.836

■ 49, 20.660,
112.574

■ 49, 13.841,
113.330

Harmonies

Complementary

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



47, 55.665, 109.747



12, 75.172, 306.901

Rectangle

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



47, 55.665, 109.747



47, 55.665, 159.747



47, 55.665, 289.747



47, 55.665, 339.747

Sweetspot

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



47, 55.478, 109.794



62, 25.471, 112.518



24, 55.783, 40.332



32, 17.234, 112.273



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



47, 55.478, 109.794



60, 66.819, 109.959



44, 63.679, 130.793



24, 3.875, 114.159



49, 56.811, 109.817



93, 96.410, 110.191

Inverse Universe

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



12, 75.172, 306.901



18, 90.677, 306.775



19, 68.846, 315.287



22, 3.953, 295.543



13, 76.995, 306.882



32, 131.062, 306.626

Previews

White Background



This preview shows how the CIELCh color 47, 55.665, 109.747 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 47, 55.665, 109.747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

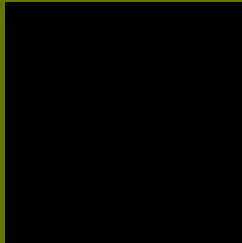
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 55.665, 109.747

Background



This preview shows how black text looks on a background with the CIELCh color 47, 55.665, 109.747.



This preview shows how white text looks on a background with the CIELCh color 47, 55.665, 109.747.

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


47, 55.338, 109.798

Protanopia

47, 53.311, 95.422

Deuteranopia

47, 49.288, 82.973



Tritanopia
47, 5.484, 303.439

Trichromacy



Original Color
47, 55.338, 109.798

Protanomaly
47, 53.533, 100.760

Deuteranomaly
47, 50.373, 93.676

Tritanomaly
47, 21.607, 110.750

Monochromacy



Original Color
47, 55.338, 109.798

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 25.260, 111.755

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 55.665, 109.747 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(104, 118, 0)` looks like.

```
.text, #text, p{  
    color:rgb(104, 118, 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(104, 118, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 118, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 55.665, 109.747 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(104, 118, 0) }
```

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

```
.border{ border-color:rgb(104, 118, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 118, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 118, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 118, 0);  
box-shadow:4px 4px 4px 4px rgb(104, 118,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 55.665, 109.747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 118, 0) }
```

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

```
.background{ background-color: rgb(104,  
118, 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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