

Converting Colors

CIELCh(47, 56.212, 111.574)

Have a look what the booklet for
CIELCh(47, 56.212, 111.574)
contains.

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Color

CIELCh(47, 55.967, 111.639)

Conversions

Conversions Part 1

Format	Color
Hex	657700
RGB	101, 119, 0
RGB Percent	40%, 47%, 0%
CMY	0.6031, 0.5326, 0.9988
CMYK	0.15, 0.00, 1.00, 0.53
HSL	69°, 99%, 23%
HSV	69°, 100%, 47%
XYZ	12.0116, 16.0195, 2.4676
YIQ	100.0520, 27.4710, -40.8250

Conversions

Conversions Part 2

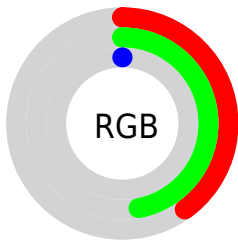
Format	Color
RYB	0, 119, 18
Decimal	6649600
CIELab	47.00, -20.64, 52.02
CIELCh	47, 55.967, 111.639
Yxy	16.0195, 0.3938, 0.5253
Android (android.graphics.Color)	4284839680 (0xFF657700)
YUV	100.0520, -49.3256, 0.8314
Hunter-Lab	40.0243, -16.4734, 24.3617

Details

The CIELCh color $47, 55.967, 111.639$ is a dark color, and the websafe version is hex 666600 . A complement of this color would be $12, 75.117, 307.089$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 55.955, 111.663$, and $27, 40.154, 118.264$ is the 20% darker color. If you saturate the color by 10%, you get $47, 56.035, 111.645$, and if you desaturate by 10%, it is $47, 53.401, 111.431$.

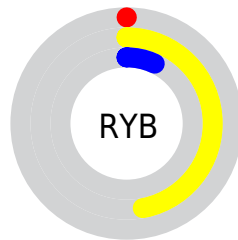
Distribution



Red (40%)

Green (47%)

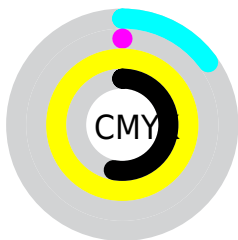
Blue (0%)



Red (0%)

Yellow (47%)

Blue (7%)

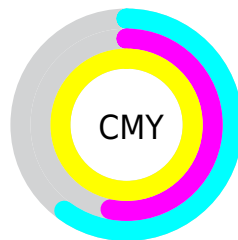


Cyan (15%)

Magenta (0%)

Yellow (100%)

Black (53%)



Cyan (60%)


Magenta (53%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 55.967, 111.639 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, 55.967, 111.639 by changing the saturation by 10% instead.


 47, 55.967,
111.639


 47, 55.967,
111.639


 100, 55.967,
111.639


 37, 55.967,
111.639

 67, 55.967,
111.639


 27, 55.967,
111.639

 77, 55.967,
111.639

 17, 55.967,
111.639

 87, 55.967,
111.639

 7, 55.967, 111.639

 97, 55.967,
111.639

 0, 55.967, 111.639

 47, 55.967,

 47, 55.967,

111.639

111.639

■ 47, 56.035,
111.645

■ 47, 53.401,
111.431

■ 47, 49.998,
111.399

■ 48, 45.413,
111.638

■ 48, 39.942,
112.074

■ 48, 33.862,
112.645

■ 48, 27.383,
113.298

■ 49, 20.654,
113.995

■ 49, 13.775,
114.711

Harmonies

Complementary

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



47, 55.967, 111.639



12, 75.117, 307.089

Rectangle

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



47, 55.967, 111.639



47, 55.967, 161.639



47, 55.967, 291.639



47, 55.967, 341.639

Sweetspot

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



47, 55.967, 111.641



63, 25.889, 113.923



25, 55.429, 41.324



33, 17.758, 113.683



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



47, 55.967, 111.641



60, 68.012, 111.857



44, 64.473, 131.593



24, 3.884, 115.477



48, 57.114, 111.668



93, 96.979, 112.133

Inverse Universe

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



12, 75.117, 307.089



18, 91.507, 306.970



20, 68.630, 316.230



22, 3.961, 296.778



13, 76.737, 307.104



32, 130.705, 306.799

Previews

White Background



This preview shows how the CIELCh color 47, 55.967, 111.639 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, 55.967, 111.639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

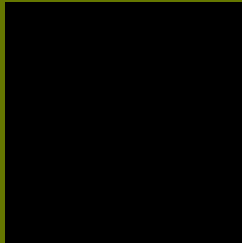
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 55.967, 111.639

Background



This preview shows how black text looks on a background with the CIELCh color 47, 55.967, 111.639.



This preview shows how white text looks on a background with the CIELCh color 47, 55.967, 111.639.

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, 55.967, 111.639

Protanopia

47, 53.311, 95.422

Deuteranopia

47, 48.777, 83.421



Tritanopia
47, 5.330, 290.909

Trichromacy



Original Color
47, 55.967, 111.639

Protanomaly
47, 53.841, 101.815

Deuteranomaly
47, 50.196, 94.785

Tritanomaly
47, 22.341, 115.158

Monochromacy



Original Color
47, 55.967, 111.639

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 25.368, 113.800

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 55.967, 111.639 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(101, 119, 0)` looks like.

```
.text, #text, p{  
    color:rgb(101, 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(101, 119, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 119, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 55.967, 111.639 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(101, 119, 0) }
```

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

```
.border{ border-color:rgb(101, 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(101, 119, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 119, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 119, 0);  
box-shadow:4px 4px 4px 4px rgb(101, 119,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 55.967, 111.639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 119, 0) }
```

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

```
.background{ background-color: rgb(101,  
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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