

Converting Colors

CIELCh(47, 51.522, 112.198)

Have a look what the booklet for
CIELCh(47, 51.522, 112.198)
contains.

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Color

CIELCh(47, 51.697, 112.322)

Conversions

Conversions Part 1

Format	Color
Hex	667713
RGB	102, 119, 19
RGB Percent	40%, 47%, 7%
CMY	0.6006, 0.5339, 0.9262
CMYK	0.14, 0.00, 0.84, 0.53
HSL	70°, 73%, 27%
HSV	70°, 84%, 47%
XYZ	12.1562, 16.0195, 3.0587
YIQ	102.5170, 21.9680, -34.7040

Conversions

Conversions Part 2

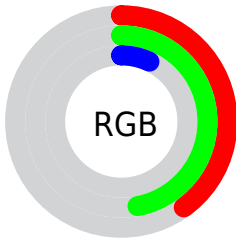
Format	Color
RYB	19, 119, 36
Decimal	6715155
CIELab	47.00, -19.64, 47.82
CIELCh	47, 51.697, 112.322
Yxy	16.0195, 0.3892, 0.5129
Android (android.graphics.Color)	4284905235 (0xFF667713)
YUV	102.5170, -41.1739, -0.4534
Hunter-Lab	40.0243, -15.8283, 23.4861

Details

The CIELCh color $47, 51.697, 112.322$ is a dark color, and the websafe version is hex 666600 . A complement of this color would be $16, 65.729, 305.893$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 51.543, 112.182$, and $27, 39.878, 116.950$ is the 20% darker color. If you saturate the color by 10%, you get $47, 54.584, 112.532$, and if you desaturate by 10%, it is $47, 47.583, 112.411$.

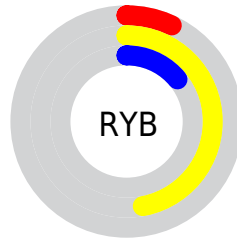
Distribution



Red (40%)

Green (47%)

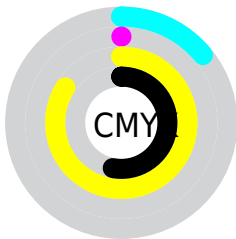
Blue (7%)



Red (7%)

Yellow (47%)

Blue (14%)

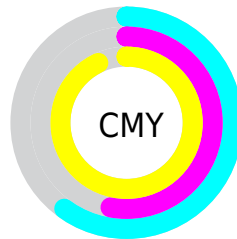


Cyan (14%)

Magenta (0%)

Yellow (84%)

Black (53%)



Cyan (60%)


Magenta (53%)


Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 51.697, 112.322 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, 51.697, 112.322 by changing the saturation by 10% instead.


 47, 51.697,
112.322


 47, 51.697,
112.322


 100, 51.697,
112.322


 37, 51.697,
112.322

 67, 51.697,
112.322


 27, 51.697,
112.322

 77, 51.697,
112.322

 17, 51.697,
112.322

 87, 51.697,
112.322

 7, 51.697, 112.322

 97, 51.697,
112.322

 0, 51.697, 112.322

 47, 51.697,

 47, 51.697,

112.322

■ 47, 54.584,
112.532

■ 47, 56.113,
112.672

112.322

■ 47, 47.583,
112.411

■ 47, 42.456,
112.737

■ 48, 36.609,
113.229

■ 48, 30.282,
113.827

■ 48, 23.649,
114.486

■ 49, 16.828,
115.174

■ 49, 9.899, 115.868

■ 50, 2.916, 116.554

Harmonies

Complementary

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



47, 51.697, 112.322



16, 65.729, 305.893

Rectangle

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



47, 51.697, 112.322



47, 51.697, 162.322



47, 51.697, 292.322



47, 51.697, 342.322

Sweetspot

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



47, 51.697, 112.324



63, 21.676, 115.072



27, 46.778, 40.620



33, 14.882, 114.875



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, 51.697, 112.324



60, 68.260, 112.909



44, 58.956, 131.468



24, 3.891, 116.224



48, 57.315, 112.701



92, 97.354, 113.215

Inverse Universe

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



16, 65.729, 305.893



18, 91.322, 307.104



23, 62.299, 317.187



22, 3.967, 297.480



13, 76.572, 307.248



33, 130.468, 306.917

Previews

White Background



This preview shows how the CIELCh color 47, 51.697, 112.322 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, 51.697, 112.322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

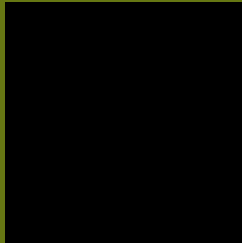
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 51.697, 112.322

Background



This preview shows how black text looks on a background with the CIELCh color 47, 51.697, 112.322.



This preview shows how white text looks on a background with the CIELCh color 47, 51.697, 112.322.

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, 51.697, 112.322

Protanopia

47, 49.366, 95.954

Deuteranopia

47, 46.713, 82.862



Tritanopia
47, 4.739, 290.830

Trichromacy



Original Color
47, 51.697, 112.322

Protanomaly
47, 49.393, 101.697

Deuteranomaly
47, 46.941, 94.678

Tritanomaly
47, 18.313, 115.958

Monochromacy



Original Color
47, 51.697, 112.322

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 21.331, 114.423

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 51.697, 112.322 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(102, 119, 19)` looks like.

```
.text, #text, p{  
    color:rgb(102, 119, 19)  
}
```

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(102, 119, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 119, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 51.697, 112.322 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(102, 119, 19) }
```

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

```
.border{ border-color:rgb(102, 119, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 119, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 119, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 119, 19);  
box-shadow:4px 4px 4px 4px rgb(102, 119,  
19) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 51.697, 112.322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 119, 19) }
```

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

```
.background{ background-color: rgb(102,  
119, 19) }
```

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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