

Converting Colors

CIELCh(47, 47.483, 118.694)

Have a look what the booklet for
CIELCh(47, 47.483, 118.694)
contains.

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Color

CIELCh(47, 47.483, 118.694)

Conversions

Conversions Part 1

Format	Color
Hex	5E7823
RGB	94, 120, 35
RGB Percent	37%, 47%, 14%
CMY	0.6302, 0.5283, 0.8616
CMYK	0.22, 0.00, 0.71, 0.53
HSL	78°, 55%, 31%
HSV	78°, 71%, 47%
XYZ	11.7041, 16.0195, 4.0878
YIQ	102.5360, 11.7890, -31.9470

Conversions

Conversions Part 2

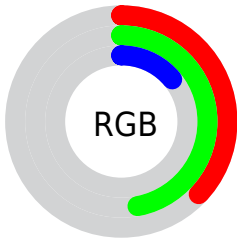
Format	Color
RYB	35, 120, 61
Decimal	6191139
CIELab	47.00, -22.80, 41.65
CIElCh	47, 47.483, 118.694
Yxy	16.0195, 0.3679, 0.5036
Android (android.graphics.Color)	4284381219 (0xFF5E7823)
YUV	102.5360, -33.2952, -7.4861
Hunter-Lab	40.0243, -17.8449, 21.9616

Details

The CIELCh color $47, 47.483, 118.694$ is a dark color, and the websafe version is hex 336600 . A complement of this color would be $22, 55.726, 307.331$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 47.244, 118.465$, and $27, 41.081, 121.939$ is the 20% darker color. If you saturate the color by 10%, you get $47, 52.261, 118.724$, and if you desaturate by 10%, it is $47, 41.813, 118.921$.

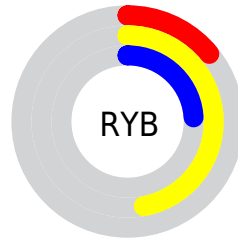
Distribution



Red (37%)

Green (47%)

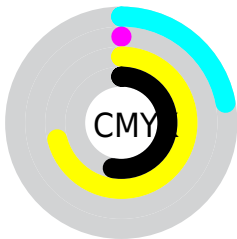
Blue (14%)



Red (14%)

Yellow (47%)

Blue (24%)

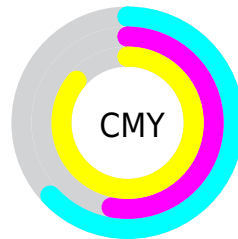


Cyan (22%)

Magenta (0%)

Yellow (71%)

Black (53%)



Cyan (63%)

Magenta (53%)

Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 47.483, 118.694 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, 47.483, 118.694 by changing the saturation by 10% instead.

 47, 47.483,
118.694

 47, 47.483,
118.694

 100, 47.483,
118.694

 37, 47.483,
118.694

 67, 47.483,
118.694

 27, 47.483,
118.694

 77, 47.483,
118.694

 17, 47.483,
118.694

 87, 47.483,
118.694

 7, 47.483, 118.694

 97, 47.483,
118.694

 0, 47.483, 118.694

 47, 47.483,

 47, 47.483,

118.694

118.694

■ 47, 52.261,
118.724

■ 47, 41.813,
118.921

■ 46, 55.856,
119.105

■ 48, 35.526,
119.312

■ 46, 58.543,
119.623

■ 48, 28.837,
119.800

■ 49, 21.898,
120.339

■ 49, 14.814,
120.897

■ 50, 7.654, 121.453

■ 51, 0.469, 122.062

■ 51, 6.707, 302.497

■ 52, 13.849,

Harmonies

Complementary

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



47, 47.483, 118.694



22, 55.726, 307.331

Rectangle

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



47, 47.483, 118.694



47, 47.483, 168.694



47, 47.483, 298.694



47, 47.483, 348.694

Sweetspot

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



47, 47.483, 118.696



63, 18.579, 120.849



33, 35.928, 48.810



33, 12.664, 120.726



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, 47.483, 118.696



59, 65.931, 118.921



45, 54.407, 134.807



25, 4.101, 121.541



48, 60.184, 119.679



91, 101.805, 120.443

Inverse Universe

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



22, 55.726, 307.331



24, 80.924, 308.320



28, 55.401, 321.332



23, 4.173, 302.525



15, 76.172, 308.717



35, 129.035, 308.230

Previews

White Background



This preview shows how the CIELCh color 47, 47.483, 118.694 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, 47.483, 118.694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

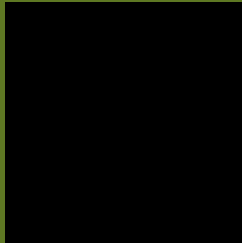
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 47.483, 118.694

Background



This preview shows how black text looks on a background with the CIELCh color 47, 47.483, 118.694.



This preview shows how white text looks on a background with the CIELCh color 47, 47.483, 118.694.

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, 47.483, 118.694

Protanopia

47, 43.393, 95.124

Deuteranopia

47, 40.695, 81.474



Tritanopia
47, 6.099, 260.411

Trichromacy



Original Color
47, 47.483, 118.694

Protanomaly
47, 43.631, 104.149

Deuteranomaly
47, 40.594, 96.303

Tritanomaly
47, 16.047, 131.575

Monochromacy



Original Color
47, 47.483, 118.694

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 18.705, 119.856

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 47.483, 118.694 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(94, 120, 35)` looks like.

```
.text, #text, p{  
    color:rgb(94, 120, 35)  
}
```

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(94, 120, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 120, 35) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 47.483, 118.694 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(94, 120, 35) }
```

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

```
.border{ border-color:rgb(94, 120, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 120, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 120, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 120, 35);  
box-shadow:4px 4px 4px 4px rgb(94, 120,  
35) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 47.483, 118.694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 120, 35) }
```

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

```
.background{ background-color: rgb(94, 120,  
35) }
```

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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