

Converting Colors

CIELCh(57, 48.634, 117.738)

Have a look what the booklet for
CIELCh(57, 48.634, 117.738)
contains.

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Color

CIELCh(57, 48.843, 117.804)

Conversions

Conversions Part 1

Format	Color
Hex	799239
RGB	121, 146, 57
RGB Percent	47%, 57%, 22%
CMY	0.5254, 0.4274, 0.7764
CMYK	0.17, 0.00, 0.61, 0.43
HSL	77°, 44%, 40%
HSV	77°, 61%, 57%
XYZ	18.9063, 24.9227, 7.6865
YIQ	128.3790, 13.6690, -32.9790

Conversions

Conversions Part 2

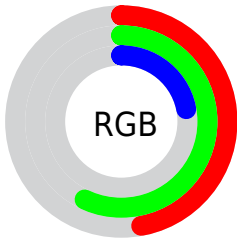
Format	Color
RYB	57, 146, 82
Decimal	7967289
CIELab	57.00, -22.78, 43.20
CIElCh	57, 48.843, 117.804
Yxy	24.9227, 0.3670, 0.4838
Android (android.graphics.Color)	4286157369 (0xFF799239)
YUV	128.3790, -35.1898, -6.4714
Hunter-Lab	49.9226, -19.7643, 25.8171

Details

The CIELCh color **57, 48.843, 117.804** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **31, 56.247, 305.965**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **77, 48.724, 118.005**, and **37, 48.713, 117.836** is the 20% darker color. If you saturate the color by 10%, you get **57, 55.298, 117.585**, and if you desaturate by 10%, it is **57, 41.605, 118.207**.

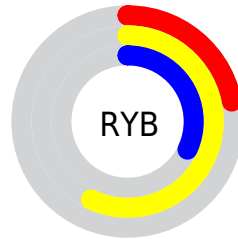
Distribution



Red (47%)

Green (57%)

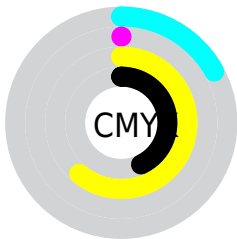
Blue (22%)



Red (22%)

Yellow (57%)

Blue (32%)

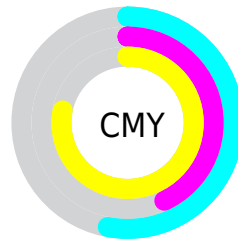


Cyan (17%)

Magenta (0%)

Yellow (61%)

Black (43%)



Cyan (53%)

Magenta (43%)

Yellow (78%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 48.843, 117.804 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 57, 48.843, 117.804 by changing the saturation by 10% instead.

 57, 48.843,
117.804

 57, 48.843,
117.804

 100, 48.843,
117.804

 47, 48.843,
117.804


 77, 48.843,
117.804

 37, 48.843,
117.804

 87, 48.843,
117.804

 27, 48.843,
117.804

 97, 48.843,
117.804

 17, 48.843,
117.804

 7, 48.843, 117.804

 0, 48.843, 117.804

■ 57, 48.843,
117.804

■ 57, 48.843,
117.804

■ 57, 55.298,
117.585

■ 57, 41.605,
118.207

■ 56, 60.623,
117.638

■ 58, 33.855,
118.716

■ 56, 64.476,
118.065

■ 59, 25.788,
119.282

■ 56, 66.976,
118.685

■ 59, 17.534,
119.871

■ 60, 9.182, 120.460

■ 60, 0.792, 121.071

■ 61, 7.591, 301.573

■ 62, 15.939,
302.094

■ 63, 24.229,
302.581

Harmonies

Complementary

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



57, 48.843, 117.804



31, 56.247, 305.965

Rectangle

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



57, 48.843, 117.804



57, 48.843, 167.804



57, 48.843, 297.804



57, 48.843, 347.804

Sweetspot

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



57, 48.844, 117.806



75, 18.579, 120.024



42, 35.853, 45.954



39, 12.860, 119.869



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



57, 48.844, 117.806



72, 69.258, 117.567



55, 55.681, 134.471



31, 4.785, 120.562



53, 64.150, 118.613



2, 4.199, 121.082

Inverse Universe

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



31, 56.247, 305.965



34, 83.109, 307.173



37, 57.160, 320.152



29, 4.874, 301.627



17, 82.155, 308.298



0, 4.200, 301.081

Previews

White Background



This preview shows how the CIELCh color 57, 48.843, 117.804 looks on a white 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

Black Background



This preview shows how the CIE LCh color 57, 48.843, 117.804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

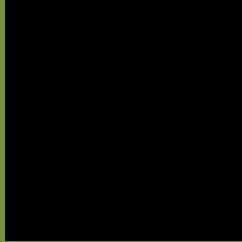
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 48.843, 117.804

Background



This preview shows how black text looks on a background with the CIELCh color 57, 48.843, 117.804.



This preview shows how white text looks on a background with the CIELCh color 57, 48.843, 117.804.

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
57, 48.843, 117.804

Protanopia
57, 45.476, 95.929

Deuteranopia
57, 42.424, 80.018



Tritanopia
57, 6.515, 274.152

Trichromacy



Original Color
57, 48.843, 117.804

Protanomaly
57, 45.720, 104.143

Deuteranomaly
57, 42.307, 95.039

Tritanomaly
57, 15.023, 127.577

Monochromacy



Original Color
57, 48.843, 117.804

Achromatopsia
54, 0.007, 296.813

Achromatomaly
55, 19.231, 120.556

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 48.843, 117.804 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(121, 146, 57)` looks like.

```
.text, #text, p{  
    color:rgb(121, 146, 57)  
}
```

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(121, 146, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 146, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 48.843, 117.804 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(121, 146, 57) }
```

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

```
.border{ border-color:rgb(121, 146, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 146, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 146, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 146, 57);  
box-shadow:4px 4px 4px 4px rgb(121, 146,  
57) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 48.843, 117.804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 146, 57) }
```

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

```
.background{ background-color: rgb(121,  
146, 57) }
```

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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