

Converting Colors

CIELCh(48, 60.415, 123.289)

Have a look what the booklet for
CIELCh(48, 60.415, 123.289)
contains.

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Color

CIELCh(48, 60.476, 123.286)

Conversions

Conversions Part 1

Format	Color
Hex	507F08
RGB	80, 127, 8
RGB Percent	31%, 50%, 3%
CMY	0.6877, 0.5034, 0.9672
CMYK	0.37, 0.00, 0.93, 0.50
HSL	84°, 88%, 26%
HSV	84°, 93%, 50%
XYZ	10.8664, 16.7945, 2.9091
YIQ	99.3810, 10.1870, -46.9730

Conversions

Conversions Part 2

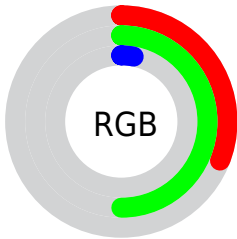
Format	Color
R_{YB}	8, 127, 55
Decimal	5275400
CIE Lab	48.00, -33.19, 50.55
CIE LCh	48, 60.476, 123.286
Yxy	16.7945, 0.3555, 0.5494
Android (android.graphics.Color)	4283465480 (0xFF507F08)
YUV	99.3810, -45.0508, -16.9971
Hunter-Lab	40.9810, -24.3863, 24.4779

Details

The CIELCh color **48, 60.476, 123.286** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **18, 72.303, 310.124**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 60.605, 123.089**, and **28, 47.130, 130.749** is the 20% darker color. If you saturate the color by 10%, you get **48, 62.522, 123.725**, and if you desaturate by 10%, it is **48, 56.934, 122.686**.

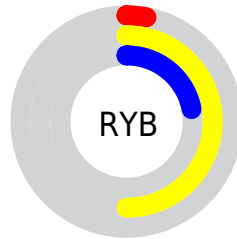
Distribution



Red (31%)

Green (50%)

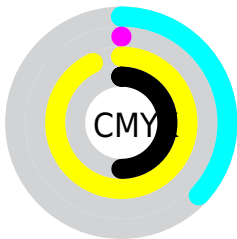
Blue (3%)



Red (3%)

Yellow (50%)

Blue (22%)

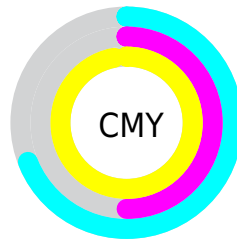


Cyan (37%)

Magenta (0%)

Yellow (93%)

Black (50%)



Cyan (69%)

Magenta (50%)

Yellow (97%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 60.476, 123.286 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 48, 60.476, 123.286 by changing the saturation by 10% instead.

 48, 60.476,
123.286

 48, 60.476,
123.286

 100, 60.476,
123.286

 38, 60.476,
123.286

 68, 60.476,
123.286

 28, 60.476,
123.286

 78, 60.476,
123.286

 18, 60.476,
123.286


 88, 60.476,
123.286

 8, 60.476, 123.286

 98, 60.476,
123.286

 0, 60.476, 123.286

 48, 60.476,

 48, 60.476,

123.286

123.286

■ 48, 62.522,
123.725

■ 48, 56.934,
122.686

■ 49, 52.100,
122.486

■ 49, 46.246,
122.588

■ 50, 39.674,
122.888

■ 50, 32.631,
123.305

■ 51, 25.293,
123.782

■ 51, 17.785,
124.281

■ 52, 10.192,
124.780

Harmonies

Complementary

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



48, 60.476, 123.286



18, 72.303, 310.124

Rectangle

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



48, 60.476, 123.286



48, 60.476, 173.286



48, 60.476, 303.286



48, 60.476, 353.286

Sweetspot

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



48, 60.476, 123.287



66, 26.489, 124.016



32, 49.439, 53.709



34, 18.400, 123.832



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



48, 60.476, 123.287



62, 76.311, 124.112



46, 68.559, 135.463



27, 4.313, 124.990



48, 62.831, 123.736



0, 0.000, 0.000

Inverse Universe

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



18, 72.303, 310.124



23, 92.266, 309.908



27, 67.588, 323.961



25, 4.380, 305.844



17, 75.982, 310.158



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 48, 60.476, 123.286 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 48, 60.476, 123.286 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 48, 60.476, 123.286

Background



This preview shows how black text looks on a background with the CIELCh color 48, 60.476, 123.286.



This preview shows how white text looks on a background with the CIELCh color 48, 60.476, 123.286.

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

48, 60.652, 123.209

Protanopia

48, 53.971, 95.537

Deuteranopia

48, 48.030, 82.800



Tritanopia
48, 10.472, 229.182

Trichromacy



Original Color
48, 60.652, 123.209

Protanomaly
48, 54.758, 107.451

Deuteranomaly
47, 49.228, 100.630

Tritanomaly
47, 25.698, 139.755

Monochromacy



Original Color
48, 60.652, 123.209

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 26.316, 123.435

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 60.476, 123.286 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(80, 127, 8)` looks like.

```
.text, #text, p{  
    color:rgb(80, 127, 8)  
}
```

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(80, 127, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 127, 8) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 60.476, 123.286 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(80, 127, 8) }
```

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

```
.border{ border-color:rgb(80, 127, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 127, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 127, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 127, 8);  
box-shadow:4px 4px 4px 4px rgb(80, 127, 8)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 48, 60.476, 123.286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 127, 8) }
```

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

```
.background{ background-color: rgb(80, 127,  
8) }
```

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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