

Converting Colors

CIELCh(49, 58.696, 120.342)

Have a look what the booklet for
CIELCh(49, 58.696, 120.342)
contains.

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Color

CIELCh(49, 58.719, 120.194)

Conversions

Conversions Part 1

Format	Color
Hex	5A800D
RGB	90, 128, 13
RGB Percent	35%, 50%, 5%
CMY	0.6477, 0.4986, 0.9499
CMYK	0.30, 0.00, 0.90, 0.50
HSL	80°, 82%, 28%
HSV	80°, 90%, 50%
XYZ	11.9725, 17.5941, 3.1376
YIQ	103.5280, 14.2670, -43.8210

Conversions

Conversions Part 2

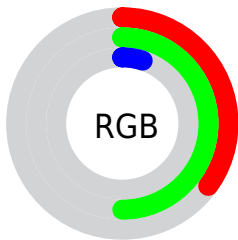
Format	Color
RYB	13, 128, 51
Decimal	5931021
CIELab	49.00, -29.53, 50.75
CIELCh	49, 58.719, 120.194
Yxy	17.5941, 0.3661, 0.5380
Android (android.graphics.Color)	4284121101 (0xFF5A800D)
YUV	103.5280, -44.6303, -11.8641
Hunter-Lab	41.9453, -22.4548, 24.9266

Details

The CIELCh color $49, 58.719, 120.194$ is a dark color, and the websafe version is hex 669933 . A complement of this color would be $18, 71.938, 308.850$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 58.595, 120.133$, and $29, 45.584, 126.513$ is the 20% darker color. If you saturate the color by 10%, you get $49, 61.647, 120.840$, and if you desaturate by 10%, it is $49, 54.866, 119.786$.

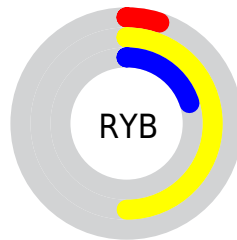
Distribution



Red (35%)

Green (50%)

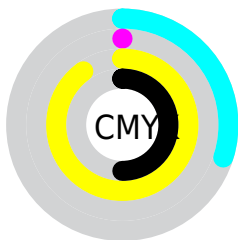
Blue (5%)



Red (5%)

Yellow (50%)

Blue (20%)

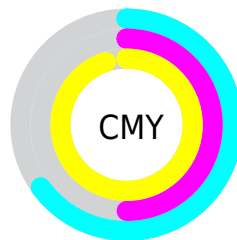


Cyan (30%)

Magenta (0%)

Yellow (90%)

Black (50%)



Cyan (65%)

Magenta (50%)

Yellow (95%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 58.719, 120.194 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 49, 58.719, 120.194 by changing the saturation by 10% instead.


 49, 58.719,
120.194

 49, 58.719,
120.194


 100, 58.719,
120.194

 39, 58.719,
120.194

 69, 58.719,
120.194

 29, 58.719,
120.194

 79, 58.719,
120.194

 19, 58.719,
120.194

 89, 58.719,
120.194

 9, 58.719, 120.194

 99, 58.719,
120.194

 0, 58.719, 120.194

 49, 58.719,

 49, 58.719,

120.194

■ 49, 61.647,
120.840

120.194

■ 49, 54.866,
119.786

■ 50, 49.771,
119.740

■ 50, 43.742,
119.952

■ 51, 37.071,
120.332

■ 51, 29.985,
120.809

■ 52, 22.642,
121.335

■ 52, 15.152,
121.877

■ 53, 7.589, 122.418

Harmonies

Complementary

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



49, 58.719, 120.194



18, 71.938, 308.850

Rectangle

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



49, 58.719, 120.194



49, 58.719, 170.194



49, 58.719, 300.194



49, 58.719, 350.194

Sweetspot

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



49, 58.719, 120.196



66, 25.211, 121.464



31, 49.601, 49.501



34, 17.099, 121.312



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



49, 58.719, 120.196



62, 74.675, 121.186



47, 67.172, 134.600



27, 4.261, 122.467



49, 61.522, 120.836



0, 0.000, 0.000

Inverse Universe

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



18, 71.938, 308.850



22, 93.469, 308.819



27, 67.455, 321.753



25, 4.333, 303.418



16, 76.970, 309.048



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 58.719, 120.194 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 49, 58.719, 120.194 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

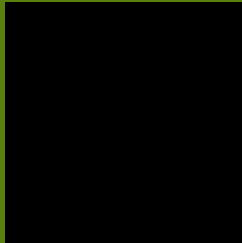
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 58.719, 120.194

Background



This preview shows how black text looks on a background with the CIELCh color 49, 58.719, 120.194.



This preview shows how white text looks on a background with the CIELCh color 49, 58.719, 120.194.

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

49, 58.719, 120.194

Protanopia

49, 53.243, 95.127

Deuteranopia

49, 48.624, 82.542



Tritanopia
49, 8.171, 239.379

Trichromacy



Original Color
49, 58.719, 120.194

Protanomaly
48, 53.732, 105.126

Deuteranomaly
48, 49.200, 97.862

Tritanomaly
48, 23.291, 133.361

Monochromacy



Original Color
49, 58.719, 120.194

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 25.282, 121.088

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 58.719, 120.194 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(90, 128, 13)` looks like.

```
.text, #text, p{  
    color:rgb(90, 128, 13)  
}
```

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(90, 128, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 128, 13) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 58.719, 120.194 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(90, 128, 13) }
```

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

```
.border{ border-color:rgb(90, 128, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 128, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 128, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 128, 13);  
box-shadow:4px 4px 4px 4px rgb(90, 128,  
13) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 58.719, 120.194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 128, 13) }
```

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

```
.background{ background-color: rgb(90, 128,  
13) }
```

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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