

Converting Colors

CIELCh(49, 54.200, 121.282)

Have a look what the booklet for
CIELCh(49, 54.200, 121.282)
contains.

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Color

CIELCh(49, 54.081, 121.158)

Conversions

Conversions Part 1

Format	Color
Hex	5B7F1C
RGB	91, 127, 28
RGB Percent	36%, 50%, 11%
CMY	0.6418, 0.5006, 0.8887
CMYK	0.28, 0.00, 0.78, 0.50
HSL	82°, 64%, 31%
HSV	82°, 78%, 50%
XYZ	12.1960, 17.5941, 3.8756
YIQ	104.9500, 10.3230, -38.4210

Conversions

Conversions Part 2

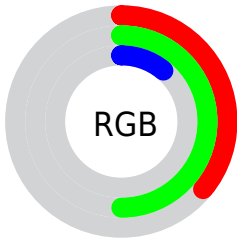
Format	Color
RYB	28, 127, 64
Decimal	5996316
CIELab	49.00, -27.98, 46.28
CIELCh	49, 54.081, 121.158
Yxy	17.5941, 0.3623, 0.5226
Android (android.graphics.Color)	4284186396 (0xFF5B7F1C)
YUV	104.9500, -37.9363, -12.2341
Hunter-Lab	41.9453, -21.5037, 23.8835

Details

The CIELCh color $49, 54.081, 121.158$ is a dark color, and the websafe version is hex 669933 . A complement of this color would be $22, 63.592, 309.153$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 54.197, 121.263$, and $29, 45.408, 126.080$ is the 20% darker color. If you saturate the color by 10%, you get $49, 58.314, 121.506$, and if you desaturate by 10%, it is $49, 48.684, 121.159$.

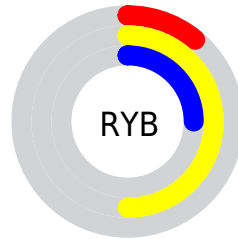
Distribution



Red (36%)

Green (50%)

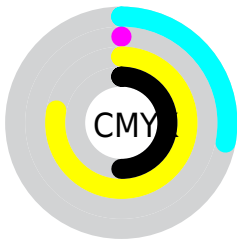
Blue (11%)



Red (11%)

Yellow (50%)

Blue (25%)

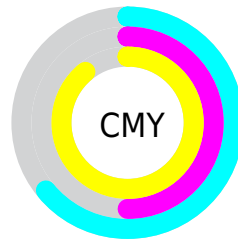


Cyan (28%)

Magenta (0%)

Yellow (78%)

Black (50%)



Cyan (64%)


Magenta (50%)

Yellow (89%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 54.081, 121.158 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, 54.081, 121.158 by changing the saturation by 10% instead.


 49, 54.081,
121.158

 49, 54.081,
121.158


 100, 54.081,
121.158

 39, 54.081,
121.158

 69, 54.081,
121.158

 29, 54.081,
121.158

 79, 54.081,
121.158

 19, 54.081,
121.158

 89, 54.081,
121.158

 9, 54.081, 121.158

 99, 54.081,
121.158

 0, 54.081, 121.158

 49, 54.081,

 49, 54.081,

121.158

■ 49, 58.314,
121.506

■ 48, 61.406,
122.181

■ 48, 62.106,
122.319

121.158

■ 49, 48.684,
121.159

■ 50, 42.434,
121.398

■ 50, 35.607,
121.786

■ 51, 28.412,
122.258

■ 51, 20.994,
122.768

■ 52, 13.453,
123.289

■ 53, 5.858, 123.804

■ 53, 1.744, 304.255

Harmonies

Complementary

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



49, 54.081, 121.158



22, 63.592, 309.153

Rectangle

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



49, 54.081, 121.158



49, 54.081, 171.158



49, 54.081, 301.158



49, 54.081, 351.158

Sweetspot

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



49, 54.081, 121.159



66, 21.645, 122.985



34, 41.384, 52.677



34, 15.083, 122.824



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, 54.081, 121.159



62, 73.411, 122.047



47, 61.838, 135.438



27, 4.285, 123.733



48, 62.162, 122.321



0, 0.000, 0.000

Inverse Universe

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



22, 63.592, 309.153



24, 89.405, 309.437



29, 62.057, 322.971



25, 4.355, 304.632



16, 76.487, 309.575



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 54.081, 121.158 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, 54.081, 121.158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

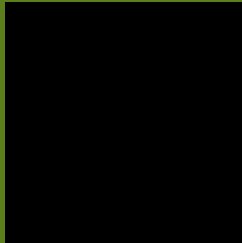
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 54.081, 121.158

Background



This preview shows how black text looks on a background with the CIELCh color 49, 54.081, 121.158.



This preview shows how white text looks on a background with the CIELCh color 49, 54.081, 121.158.

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, 54.081, 121.158

Protanopia
49, 48.218, 95.013

Deuteranopia
49, 44.937, 82.021



Tritanopia
49, 7.901, 241.094

Trichromacy



Original Color
49, 54.081, 121.158

Protanomaly
49, 48.842, 105.372

Deuteranomaly
48, 45.150, 98.538

Tritanomaly
49, 20.008, 136.657

Monochromacy



Original Color
49, 54.081, 121.158

Achromatopsia
44, 0.006, 296.813

Achromatomaly
46, 21.831, 122.471

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 54.081, 121.158 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(91, 127, 28)` looks like.

```
.text, #text, p{  
    color:rgb(91, 127, 28)  
}
```

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(91, 127, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 127, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 54.081, 121.158 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(91, 127, 28) }
```

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

```
.border{ border-color:rgb(91, 127, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 127, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 127, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 127, 28);  
box-shadow:4px 4px 4px 4px rgb(91, 127,  
28) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 54.081, 121.158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 127, 28) }
```

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

```
.background{ background-color: rgb(91, 127,  
28) }
```

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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