

Converting Colors

CIELCh(49, 54.955, 121.511)

Have a look what the booklet for
CIELCh(49, 54.955, 121.511)
contains.

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Color

CIELCh(49, 55.058, 121.695)

Conversions

Conversions Part 1

Format	Color
Hex	5A801B
RGB	90, 128, 27
RGB Percent	35%, 50%, 11%
CMY	0.6483, 0.4992, 0.8955
CMYK	0.30, 0.00, 0.79, 0.50
HSL	83°, 65%, 30%
HSV	83°, 79%, 50%
XYZ	12.0593, 17.5941, 3.7763
YIQ	105.1240, 9.7730, -39.4670

Conversions

Conversions Part 2

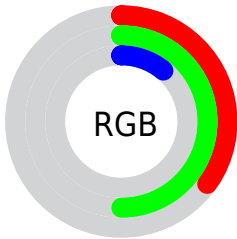
Format	Color
R_{YB}	27, 128, 65
Decimal	5931035
CIE Lab	49.00, -28.93, 46.85
CIE LCh	49, 55.058, 121.695
Yxy	17.5941, 0.3607, 0.5263
Android (android.graphics.Color)	4284121115 (0xFF5A801B)
YUV	105.1240, -38.5151, -13.2637
Hunter-Lab	41.9453, -22.0855, 24.0239

Details

The CIELCh color $49, 55.058, 121.695$ is a dark color, and the websafe version is hex 669933 . A complement of this color would be $22, 64.672, 309.499$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 54.863, 121.905$, and $29, 45.584, 126.513$ is the 20% darker color. If you saturate the color by 10%, you get $49, 59.139, 122.110$, and if you desaturate by 10%, it is $49, 49.769, 121.646$.

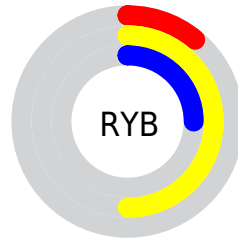
Distribution



Red (35%)

Green (50%)

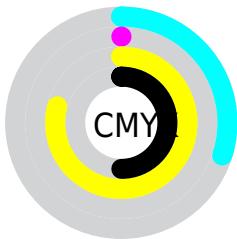
Blue (11%)



Red (11%)

Yellow (50%)

Blue (25%)

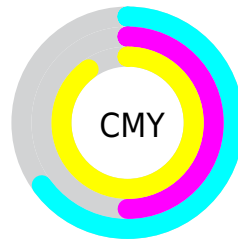


Cyan (30%)

Magenta (0%)

Yellow (79%)

Black (50%)



Cyan (65%)

Magenta (50%)


Yellow (90%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 55.058, 121.695 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, 55.058, 121.695 by changing the saturation by 10% instead.


 49, 55.058,
121.695


 49, 55.058,
121.695


 100, 55.058,
121.695


 39, 55.058,
121.695

 69, 55.058,
121.695


 29, 55.058,
121.695

 79, 55.058,
121.695

 19, 55.058,
121.695

 89, 55.058,
121.695

 9, 55.058, 121.695

 99, 55.058,
121.695

 0, 55.058, 121.695

 49, 55.058,

 49, 55.058,

121.695

■ 49, 59.139,
122.110

■ 48, 62.205,
122.801

■ 48, 62.476,
122.853

121.695

■ 49, 49.769,
121.646

■ 50, 43.583,
121.851

■ 50, 36.784,
122.217

■ 51, 29.591,
122.674

■ 51, 22.158,
123.174

■ 52, 14.591,
123.688

■ 53, 6.964, 124.196

■ 54, 0.674, 304.591

Harmonies

Complementary

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



49, 55.058, 121.695



22, 64.672, 309.499

Rectangle

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



49, 55.058, 121.695



49, 55.058, 171.695



49, 55.058, 301.695



49, 55.058, 351.695

Sweetspot

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



49, 55.058, 121.696



66, 22.635, 123.409



35, 42.097, 53.943



34, 15.656, 123.253



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, 55.058, 121.696



62, 74.285, 122.766



47, 62.958, 135.655



27, 4.295, 124.197



48, 62.406, 122.851



0, 0.000, 0.000

Inverse Universe

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



22, 64.672, 309.499



24, 90.177, 309.612



29, 62.897, 323.515



25, 4.364, 305.079



16, 76.303, 309.783



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 49, 55.058, 121.695 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, 55.058, 121.695 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

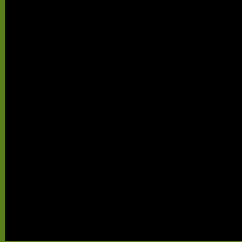
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 55.058, 121.695

Background



This preview shows how black text looks on a background with the CIELCh color 49, 55.058, 121.695.



This preview shows how white text looks on a background with the CIELCh color 49, 55.058, 121.695.

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, 55.058, 121.695

Protanopia

49, 48.900, 95.036

Deuteranopia

49, 45.349, 82.157



Tritanopia
49, 8.171, 239.379

Trichromacy



Original Color
49, 55.058, 121.695

Protanomaly
49, 49.545, 105.813

Deuteranomaly
48, 45.552, 98.529

Tritanomaly
49, 20.723, 136.833

Monochromacy



Original Color
49, 55.058, 121.695

Achromatopsia
44, 0.006, 296.813

Achromatomaly
46, 21.958, 123.546

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 55.058, 121.695 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, 27)` looks like.

```
.text, #text, p{  
    color:rgb(90, 128, 27)  
}
```

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, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 128, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 55.058, 121.695 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, 27) }
```

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

```
.border{ border-color:rgb(90, 128, 27) }
```

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, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 128, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 128, 27);  
box-shadow:4px 4px 4px 4px rgb(90, 128,  
27) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 55.058, 121.695 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, 27) }
```

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

```
.background{ background-color: rgb(90, 128,  
27) }
```

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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