

Converting Colors

CIELCh(55, 64.282, 118.379)

Have a look what the booklet for
CIELCh(55, 64.282, 118.379)
contains.

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Color

CIELCh(55, 64.436, 118.328)

Conversions

Conversions Part 1

Format	Color
Hex	6A9009
RGB	106, 144, 9
RGB Percent	42%, 56%, 4%
CMY	0.5854, 0.4364, 0.9630
CMYK	0.26, 0.00, 0.93, 0.44
HSL	77°, 88%, 30%
HSV	77°, 93%, 56%
XYZ	15.8927, 22.9298, 3.8588
YIQ	117.2480, 20.6870, -50.0410

Conversions

Conversions Part 2

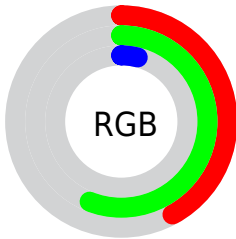
Format	Color
RYB	9, 144, 47
Decimal	6983689
CIELab	55.00, -30.58, 56.72
CIElCh	55, 64.436, 118.328
Yxy	22.9298, 0.3724, 0.5372
Android (android.graphics.Color)	4285173769 (0xFF6A9009)
YUV	117.2480, -53.3663, -9.8645
Hunter-Lab	47.8851, -24.5563, 28.7417

Details

The CIELCh color **55, 64.436, 118.328** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **19, 81.268, 308.114**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 64.467, 118.354**, and **35, 50.526, 124.432** is the 20% darker color. If you saturate the color by 10%, you get **55, 66.242, 118.771**, and if you desaturate by 10%, it is **55, 61.003, 117.801**.

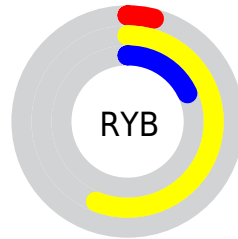
Distribution



Red (42%)

Green (56%)

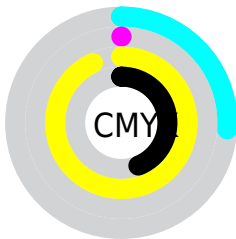
Blue (4%)



Red (4%)

Yellow (56%)

Blue (18%)

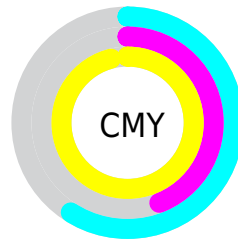


Cyan (26%)

Magenta (0%)

Yellow (93%)

Black (44%)



Cyan (59%)


Magenta (44%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 64.436, 118.328 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 55, 64.436, 118.328 by changing the saturation by 10% instead.


 55, 64.436,
118.328


 55, 64.436,
118.328


 100, 64.436,
118.328


 45, 64.436,
118.328


 75, 64.436,
118.328

 35, 64.436,
118.328

 85, 64.436,
118.328

 25, 64.436,
118.328

 95, 64.436,
118.328

 15, 64.436,
118.328

 5, 64.436, 118.328

 0, 64.436, 118.328

■ 55, 64.436,
118.328

■ 55, 64.436,
118.328

■ 55, 66.242,
118.771

■ 55, 61.003,
117.801

■ 56, 56.059,
117.664

■ 56, 49.917,
117.826

■ 56, 42.925,
118.189

■ 57, 35.372,
118.675

■ 58, 27.467,
119.228

■ 58, 19.351,
119.811

■ 59, 11.121,

120.399

■ 59, 2.841, 120.982

Harmonies

Complementary

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



55, 64.436, 118.328



19, 81.268, 308.114

Rectangle

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



55, 64.436, 118.328



55, 64.436, 168.328



55, 64.436, 298.328



55, 64.436, 348.328

Sweetspot

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



55, 64.436, 118.330



73, 28.485, 119.510



34, 58.075, 46.292



38, 19.776, 119.283



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



55, 64.436, 118.330



70, 80.281, 119.057



52, 73.953, 133.885



30, 4.649, 120.648



52, 63.316, 118.693



2, 3.150, 121.162

Inverse Universe

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



19, 81.268, 308.114



25, 102.806, 308.108



29, 75.190, 319.955



28, 4.734, 301.703



16, 81.003, 308.341



0, 3.151, 301.162

Previews

White Background



This preview shows how the CIELCh color 55, 64.436, 118.328 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 CIELCh color 55, 64.436, 118.328 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 55, 64.436, 118.328

Background



This preview shows how black text looks on a background with the CIELCh color 55, 64.436, 118.328.



This preview shows how white text looks on a background with the CIELCh color 55, 64.436, 118.328.

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

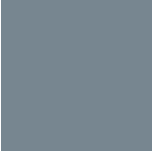
55, 64.586, 118.278

Protanopia

55, 59.963, 95.523

Deuteranopia

55, 54.523, 83.031



Tritanopia
55, 7.887, 245.960

Trichromacy



Original Color
55, 64.586, 118.278

Protanomaly
55, 60.248, 104.254

Deuteranomaly
54, 55.540, 97.938

Tritanomaly
55, 26.372, 129.698

Monochromacy



Original Color
55, 64.586, 118.278

Achromatopsia
49, 0.007, 296.813

Achromatomaly
51, 28.551, 119.072

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 64.436, 118.328 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(106, 144, 9)` looks like.

```
.text, #text, p{  
    color:rgb(106, 144, 9)  
}
```

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(106, 144, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 144, 9) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 64.436, 118.328 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(106, 144, 9) }
```

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

```
.border{ border-color:rgb(106, 144, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 144, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 144, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 144, 9);  
box-shadow:4px 4px 4px 4px rgb(106, 144,  
9) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 64.436, 118.328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 144, 9) }
```

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

```
.background{ background-color: rgb(106,  
144, 9) }
```

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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