

Converting Colors

CIELCh(55, 75.167, 110.378)

Have a look what the booklet for
CIELCh(55, 75.167, 110.378)
contains.

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Color

CIELCh(55, 63.922, 113.169)

Conversions

Conversions Part 1

Format	Color
Hex	748D00
RGB	116, 141, 0
RGB Percent	45%, 55%, 0%
CMY	0.5434, 0.4452, 1.0000
CMYK	0.18, 0.00, 1.00, 0.45
HSL	71°, 100%, 28%
HSV	71°, 100%, 55%
XYZ	16.8505, 22.9298, 3.5092
YIQ	117.4510, 30.3610, -49.1510

Conversions

Conversions Part 2

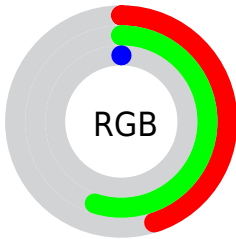
Format	Color
RYB	0, 141, 25
Decimal	7638272
CIELab	55.00, -25.15, 58.77
CIELCh	55, 63.922, 113.169
Yxy	22.9298, 0.3893, 0.5297
Android (android.graphics.Color)	4285828352 (0xFF748D00)
YUV	117.4510, -57.9033, -1.2725
Hunter-Lab	47.8851, -20.9858, 29.1746

Details

The CIELCh color **55, 63.922, 113.169** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **16, 85.070, 307.211**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 63.613, 113.199**, and **35, 47.972, 119.236** is the 20% darker color. If you saturate the color by 10%, you get **55, 63.760, 113.213**, and if you desaturate by 10%, it is **55, 61.220, 112.816**.

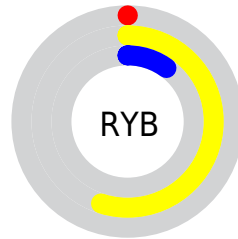
Distribution



Red (45%)

Green (55%)

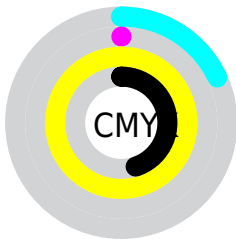
Blue (0%)



Red (0%)

Yellow (55%)

Blue (10%)

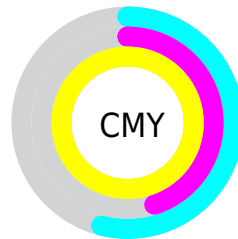


Cyan (18%)

Magenta (0%)

Yellow (100%)

Black (45%)



Cyan (54%)


Magenta (45%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 63.922, 113.169 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, 63.922, 113.169 by changing the saturation by 10% instead.


 55, 63.922,
113.169


 55, 63.922,
113.169


 100, 63.922,
113.169


 45, 63.922,
113.169


 75, 63.922,
113.169

 35, 63.922,
113.169

 85, 63.922,
113.169

 25, 63.922,
113.169

 95, 63.922,
113.169

 15, 63.922,
113.169

 5, 63.922, 113.169

 0, 63.922, 113.169

■ 55, 63.922,
113.169

■ 55, 63.922,
113.169

■ 55, 63.760,
113.213

■ 55, 61.220,
112.816

■ 55, 57.516,
112.662

■ 56, 52.386,
112.815

■ 56, 46.175,
113.195

■ 56, 39.217,
113.727

■ 57, 31.772,
114.352

■ 57, 24.024,
115.028

■ 58, 16.094,

115.724

■ 58, 8.065, 116.420

Harmonies

Complementary

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



55, 63.922, 113.169



16, 85.070, 307.211

Rectangle

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



55, 63.922, 113.169



55, 63.922, 163.169



55, 63.922, 293.169



55, 63.922, 343.169

Sweetspot

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



55, 63.760, 113.213



73, 29.706, 114.984



30, 63.926, 42.565



38, 20.142, 114.731



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



55, 63.760, 113.213



70, 77.300, 113.419



52, 73.578, 132.204



30, 4.589, 116.476



53, 61.668, 113.172



2, 3.112, 117.101

Inverse Universe

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



16, 85.070, 307.211



23, 103.261, 307.077



25, 77.620, 316.547



28, 4.681, 297.762



15, 82.257, 307.239



0, 3.113, 297.101

Previews

White Background



This preview shows how the CIELCh color 55, 63.922, 113.169 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, 63.922, 113.169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

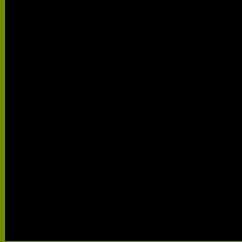
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 63.922, 113.169

Background



This preview shows how black text looks on a background with the CIELCh color 55, 63.922, 113.169.



This preview shows how white text looks on a background with the CIELCh color 55, 63.922, 113.169.

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

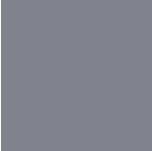
55, 63.609, 113.232

Protanopia

55, 59.963, 95.523

Deuteranopia

55, 55.641, 82.792



Tritanopia
55, 6.406, 280.707

Trichromacy



Original Color
55, 63.609, 113.232

Protanomaly
55, 60.418, 101.954

Deuteranomaly
55, 56.794, 94.982

Tritanomaly
54, 25.860, 117.655

Monochromacy



Original Color
55, 63.609, 113.232

Achromatopsia
50, 0.007, 296.813

Achromatomaly
51, 29.811, 114.986

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 63.922, 113.169 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(116, 141, 0)` looks like.

```
.text, #text, p{  
    color:rgb(116, 141, 0)  
}
```

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(116, 141, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 141, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 63.922, 113.169 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(116, 141, 0) }
```

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

```
.border{ border-color:rgb(116, 141, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 141, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 141, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 141, 0);  
box-shadow:4px 4px 4px 4px rgb(116, 141,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 63.922, 113.169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 141, 0) }
```

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

```
.background{ background-color: rgb(116,  
141, 0) }
```

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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