

Converting Colors

CIELCh(55, 80.870, 119.888)

Have a look what the booklet for
CIELCh(55, 80.870, 119.888)
contains.

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Color

CIELCh(55, 69.718, 123.830)

Conversions

Conversions Part 1

Format	Color
Hex	599300
RGB	89, 147, 0
RGB Percent	35%, 58%, 0%
CMY	0.6517, 0.4242, 1.0000
CMYK	0.40, 0.00, 1.00, 0.42
HSL	84°, 100%, 29%
HSV	84°, 100%, 58%
XYZ	14.5090, 22.9298, 3.6521
YIQ	112.9000, 12.6190, -58.0130

Conversions

Conversions Part 2

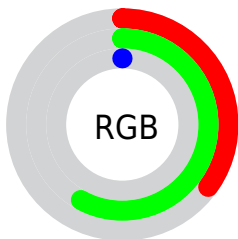
Format	Color
RYB	0, 147, 58
Decimal	5870336
CIELab	55.00, -38.81, 57.91
CIELCh	55, 69.718, 123.830
Yxy	22.9298, 0.3531, 0.5580
Android (android.graphics.Color)	4284060416 (0xFF599300)
YUV	112.9000, -55.6597, -20.9603
Hunter-Lab	47.8851, -29.7142, 28.9977

Details

The CIELCh color **55, 69.718, 123.830** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **20, 84.354, 309.973**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 69.661, 123.838**, and **35, 55.400, 131.601** is the 20% darker color. If you saturate the color by 10%, you get **55, 69.671, 123.850**, and if you desaturate by 10%, it is **55, 66.555, 123.027**.

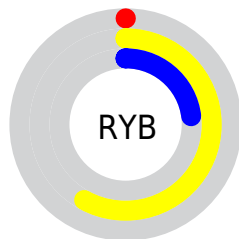
Distribution



Red (35%)

Green (58%)

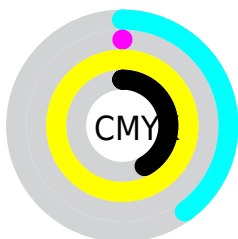
Blue (0%)



Red (0%)

Yellow (58%)

Blue (23%)

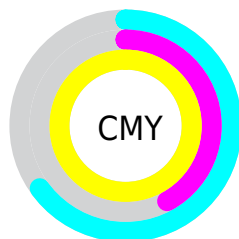


Cyan (40%)

Magenta (0%)

Yellow (100%)

Black (42%)



Cyan (65%)


Magenta (42%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 69.718, 123.830 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, 69.718, 123.830 by changing the saturation by 10% instead.


 55, 69.718,
123.830


 55, 69.718,
123.830


 100, 69.718,
123.830


 45, 69.718,
123.830


 75, 69.718,
123.830

 35, 69.718,
123.830

 85, 69.718,
123.830

 25, 69.718,
123.830

 95, 69.718,
123.830

 15, 69.718,
123.830

 5, 69.718, 123.830

 0, 69.718, 123.830

■ 55, 69.718,
123.830

■ 55, 69.718,
123.830

■ 55, 69.671,
123.850

■ 55, 66.555,
123.027

■ 56, 62.233,
122.511

■ 56, 56.482,
122.391

■ 57, 49.649,
122.554

■ 57, 42.074,
122.897

■ 58, 34.020,
123.342

■ 59, 25.675,
123.836

■ 59, 17.168,

124.345

■ 60, 8.586, 124.849

Harmonies

Complementary

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



55, 69.718, 123.830



20, 84.354, 309.973

Rectangle

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



55, 69.718, 123.830



55, 69.718, 173.830



55, 69.718, 303.830



55, 69.718, 353.830

Sweetspot

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



55, 69.671, 123.850



74, 31.841, 123.805



36, 59.496, 52.768



39, 21.851, 123.612



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



55, 69.671, 123.850



70, 84.902, 124.182



53, 78.629, 135.321



31, 4.879, 124.889



52, 66.439, 123.756



2, 4.276, 125.321

Inverse Universe

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



20, 84.354, 309.973



28, 102.776, 309.754



31, 77.215, 323.807



29, 4.956, 305.769



18, 80.443, 310.035



0, 4.277, 305.320

Previews

White Background



This preview shows how the CIELCh color 55, 69.718, 123.830 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, 69.718, 123.830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

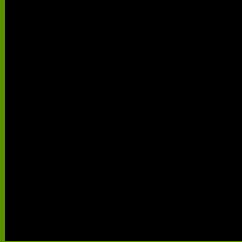
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 69.718, 123.830

Background



This preview shows how black text looks on a background with the CIELCh color 55, 69.718, 123.830.



This preview shows how white text looks on a background with the CIELCh color 55, 69.718, 123.830.

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, 69.718, 123.830

Protanopia

55, 59.713, 95.016

Deuteranopia

55, 54.043, 82.332



Tritanopia
55, 12.519, 229.023

Trichromacy



Original Color
55, 69.718, 123.830

Protanomaly
54, 61.338, 107.662

Deuteranomaly
54, 56.080, 100.825

Tritanomaly
54, 31.090, 139.547

Monochromacy



Original Color
55, 69.718, 123.830

Achromatopsia
48, 0.006, 296.813

Achromatomaly
50, 31.568, 123.303

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 69.718, 123.830 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(89, 147, 0)` looks like.

```
.text, #text, p{  
    color:rgb(89, 147, 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(89, 147, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 147, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 69.718, 123.830 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(89, 147, 0) }
```

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

```
.border{ border-color:rgb(89, 147, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 147, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 147, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 147, 0);  
box-shadow:4px 4px 4px 4px rgb(89, 147, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 55, 69.718, 123.830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 147, 0) }
```

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

```
.background{ background-color: rgb(89, 147,  
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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