

Converting Colors

CIELCh(55, 73.926, 128.950)

Have a look what the booklet for
CIELCh(55, 73.926, 128.950)
contains.

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Color

CIELCh(55, 74.166, 129.042)

Conversions

Conversions Part 1

Format	Color
Hex	459600
RGB	69, 150, 0
RGB Percent	27%, 59%, 0%
CMY	0.7312, 0.4134, 1.0000
CMYK	0.54, 0.00, 1.00, 0.41
HSL	93°, 100%, 29%
HSV	93°, 100%, 59%
XYZ	13.2595, 22.9298, 3.7051
YIQ	108.6810, -0.1260, -63.8220

Conversions

Conversions Part 2

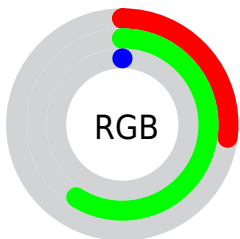
Format	Color
RYB	0, 150, 81
Decimal	4560384
CIELab	55.00, -46.72, 57.60
CIELCh	55, 74.166, 129.042
Yxy	22.9298, 0.3324, 0.5748
Android (android.graphics.Color)	4282750464 (0xFF459600)
YUV	108.6810, -53.5797, -34.8002
Hunter-Lab	47.8851, -34.3719, 28.9320

Details

The CIELCh color **55, 74.166, 129.042** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **23, 82.945, 313.076**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 74.090, 129.160**, and **35, 59.429, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **55, 74.058, 129.092**, and if you desaturate by 10%, it is **55, 70.624, 128.311**.

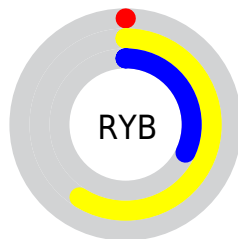
Distribution



Red (27%)

Green (59%)

Blue (0%)



Red (0%)

Yellow (59%)

Blue (32%)

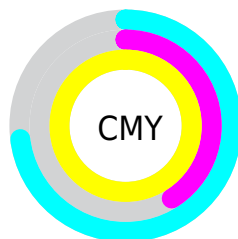


Cyan (54%)

Magenta (0%)

Yellow (100%)

Black (41%)



Cyan (73%)


Magenta (41%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 74.166, 129.042 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, 74.166, 129.042 by changing the saturation by 10% instead.


 55, 74.166,
129.042


 55, 74.166,
129.042


 100, 74.166,
129.042


 45, 74.166,
129.042


 75, 74.166,
129.042

 35, 74.166,
129.042

 85, 74.166,
129.042

 25, 74.166,
129.042

 95, 74.166,
129.042

 15, 74.166,
129.042

 5, 74.166, 129.042

 0, 74.166, 129.042

■ 55, 74.166,
129.042

■ 55, 74.166,
129.042

■ 55, 74.058,
129.092

■ 55, 70.624,
128.311

■ 56, 65.911,
127.823

■ 56, 59.728,
127.731

■ 57, 52.434,
127.916

■ 58, 44.380,
128.269

■ 58, 35.840,
128.708

■ 59, 27.011,
129.180

■ 60, 18.033,

129.652

■ 61, 9.004, 130.107

Harmonies

Complementary

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



55, 74.166, 129.042



23, 82.945, 313.076

Rectangle

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



55, 74.166, 129.042



55, 74.166, 179.042



55, 74.166, 309.042



55, 74.166, 359.042

Sweetspot

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



55, 74.058, 129.092



75, 33.352, 129.151



41, 56.415, 64.070



39, 22.655, 128.971



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, 74.058, 129.092



70, 89.969, 129.412



54, 79.787, 136.364



31, 5.038, 130.143



51, 69.633, 128.971



2, 4.408, 130.515

Inverse Universe

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



23, 82.945, 313.076



32, 100.628, 312.852



35, 75.669, 329.579



29, 5.099, 310.888



21, 78.029, 313.159



1, 4.409, 310.512

Previews

White Background



This preview shows how the CIELCh color 55, 74.166, 129.042 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, 74.166, 129.042 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

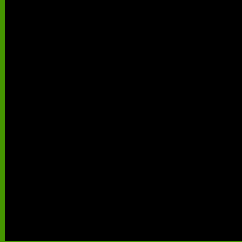
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 74.166, 129.042

Background



This preview shows how black text looks on a background with the CIELCh color 55, 74.166, 129.042.



This preview shows how white text looks on a background with the CIELCh color 55, 74.166, 129.042.

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, 74.166, 129.042

Protanopia
55, 59.713, 95.016

Deuteranopia
55, 53.374, 82.160



Tritanopia
55, 17.481, 219.338

Trichromacy



Original Color
55, 74.166, 129.042

Protanomaly
54, 62.152, 110.994

Deuteranomaly
54, 55.909, 104.749

Tritanomaly
54, 36.346, 147.508

Monochromacy



Original Color
55, 74.166, 129.042

Achromatopsia
46, 0.006, 296.813

Achromatomaly
48, 33.388, 128.403

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 74.166, 129.042 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(69, 150, 0)` looks like.

```
.text, #text, p{  
    color:rgb(69, 150, 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(69, 150, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 150, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 74.166, 129.042 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(69, 150, 0) }
```

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

```
.border{ border-color:rgb(69, 150, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 150, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 150, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 150, 0);  
box-shadow:4px 4px 4px 4px rgb(69, 150, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 55, 74.166, 129.042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 150, 0) }
```

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

```
.background{ background-color: rgb(69, 150,  
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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