

Converting Colors

CIELCh(59, 77.340, 131.013)

Have a look what the booklet for
CIELCh(59, 77.340, 131.013)
contains.

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Color

CIELCh(59, 77.444, 130.977)

Conversions

Conversions Part 1

Format	Color
Hex	45A20E
RGB	69, 162, 14
RGB Percent	27%, 64%, 5%
CMY	0.7307, 0.3658, 0.9432
CMYK	0.58, 0.00, 0.91, 0.37
HSL	98°, 84%, 35%
HSV	98°, 91%, 63%
XYZ	15.3846, 27.0277, 4.8389
YIQ	117.3210, -7.9200, -65.7440

Conversions

Conversions Part 2

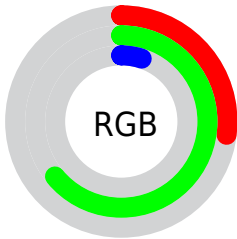
Format	Color
RYB	14, 162, 107
Decimal	4563470
CIELab	59.00, -50.78, 58.47
CIELCh	59, 77.444, 130.977
Yxy	27.0277, 0.3256, 0.5720
Android (android.graphics.Color)	4282753550 (0xFF45A20E)
YUV	117.3210, -50.9373, -42.3775
Hunter-Lab	51.9882, -38.1567, 30.8732

Details

The CIELCh color **59, 77.444, 130.977** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **30, 82.949, 315.876**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **79, 77.526, 130.931**, and **39, 64.053, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **59, 80.577, 131.597**, and if you desaturate by 10%, it is **59, 72.574, 130.544**.

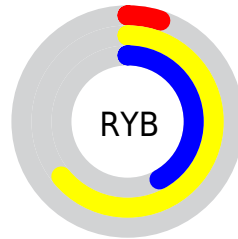
Distribution



Red (27%)

Green (64%)

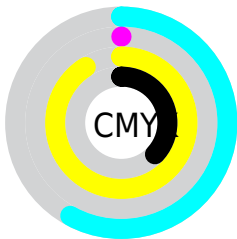
Blue (5%)



Red (5%)

Yellow (64%)

Blue (42%)

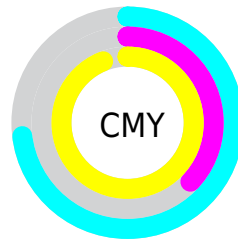


Cyan (58%)

Magenta (0%)

Yellow (91%)

Black (37%)



Cyan (73%)


Magenta (37%)


Yellow (94%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 77.444, 130.977 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 59, 77.444, 130.977 by changing the saturation by 10% instead.


 59, 77.444,
130.977


 59, 77.444,
130.977

 100, 77.444,
130.977

 49, 77.444,
130.977


 79, 77.444,
130.977

 39, 77.444,
130.977

 89, 77.444,
130.977

 29, 77.444,
130.977

 99, 77.444,
130.977

 19, 77.444,
130.977

 9, 77.444, 130.977

 0, 77.444, 130.977

■ 59, 77.444,
130.977

■ 59, 77.444,
130.977

■ 59, 80.577,
131.597

■ 59, 72.574,
130.544

■ 60, 66.028,
130.507

■ 61, 58.194,
130.749

■ 61, 49.468,
131.154

■ 62, 40.167,
131.636

■ 63, 30.526,
132.139

■ 64, 20.712,
132.631

■ 65, 10.844,

133.095

■ 66, 1.008, 133.636

Harmonies

Complementary

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



59, 77.444, 130.977



30, 82.949, 315.876

Rectangle

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



59, 77.444, 130.977



59, 77.444, 180.977



59, 77.444, 310.977



59, 77.444, 0.977

Sweetspot

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



59, 77.444, 130.978



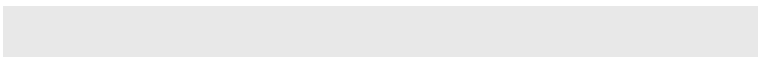
80, 32.759, 132.316



49, 55.728, 73.397



42, 22.015, 132.158



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



59, 77.444, 130.978



74, 97.831, 131.864



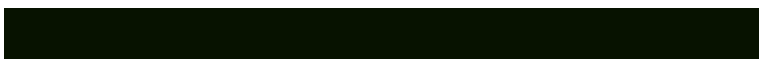
58, 79.435, 138.183



34, 5.595, 133.174



53, 74.401, 131.465



4, 8.785, 134.669

Inverse Universe

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



30, 82.949, 315.876



37, 104.542, 315.220



38, 73.714, 332.948



32, 5.650, 313.904



25, 79.710, 315.508



1, 8.584, 311.633

Previews

White Background



This preview shows how the CIELCh color 59, 77.444, 130.977 looks on a white background.

Color Contrast Check

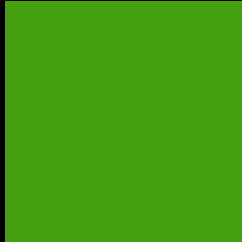
Large Text (above 18pt) WCAG AA ✓ Pass

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 59, 77.444, 130.977 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 59, 77.444, 130.977

Background



This preview shows how black text looks on a background with the CIELCh color 59, 77.444, 130.977.

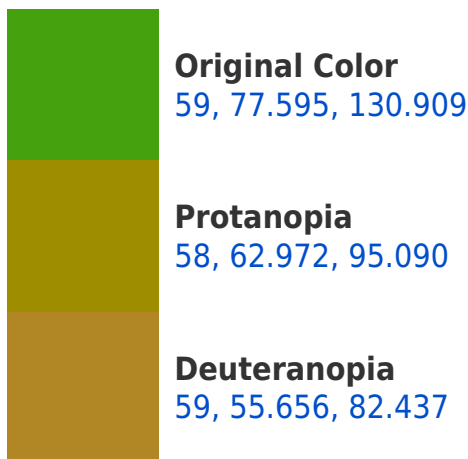



This preview shows how white text looks on a background with the CIELCh color 59, 77.444, 130.977.

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





Tritanopia
59, 19.406, 218.583

Trichromacy



Original Color
59, 77.595, 130.909

Protanomaly
58, 65.180, 112.175

Deuteranomaly
57, 57.787, 106.219

Tritanomaly
58, 36.885, 151.640

Monochromacy



Original Color
59, 77.595, 130.909

Achromatopsia
49, 0.007, 296.813

Achromatomaly
52, 33.377, 132.032

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 77.444, 130.977 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, 162, 14)` looks like.

```
.text, #text, p{  
    color:rgb(69, 162, 14)  
}
```

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, 162, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 162, 14) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 77.444, 130.977 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, 162, 14) }
```

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

```
.border{ border-color:rgb(69, 162, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 162, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 162, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 162, 14);  
box-shadow:4px 4px 4px 4px rgb(69, 162,  
14) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 77.444, 130.977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 162, 14) }
```

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

```
.background{ background-color: rgb(69, 162,  
14) }
```

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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