

Converting Colors

CIELCh(59, 70.311, 134.441)

Have a look what the booklet for
CIELCh(59, 70.311, 134.441)
contains.

CIELCh(59, 70.038, 134.520)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(59, 70.038, 134.520)

Conversions

Conversions Part 1

Format	Color
Hex	44A12C
RGB	68, 161, 44
RGB Percent	27%, 63%, 17%
CMY	0.7319, 0.3674, 0.8262
CMYK	0.58, 0.00, 0.73, 0.37
HSL	108°, 57%, 40%
HSV	108°, 73%, 63%
XYZ	15.6704, 27.0277, 6.8059
YIQ	119.8550, -17.8710, -56.1030

Conversions

Conversions Part 2

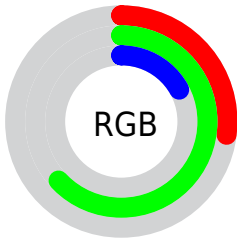
Format	Color
R_{YB}	44, 161, 137
Decimal	4497708
CIE _{Lab}	59.00, -49.11, 49.94
CIE _{LCh}	59, 70.038, 134.520
Yxy	27.0277, 0.3165, 0.5460
Android (android.graphics.Color)	4282687788 (0xFF44A12C)
YUV	119.8550, -37.3965, -45.4768
Hunter-Lab	51.9882, -37.1756, 28.6299

Details

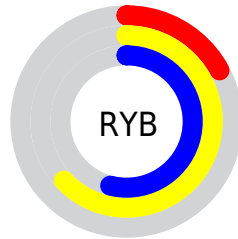
The CIELCh color **59, 70.038, 134.520** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **37, 71.324, 321.193**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **79, 70.128, 134.484**, and **39, 63.636, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **59, 76.424, 134.250**, and if you desaturate by 10%, it is **60, 62.164, 135.029**.

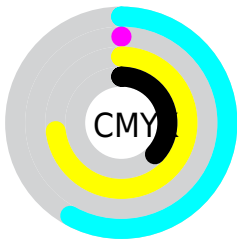
Distribution



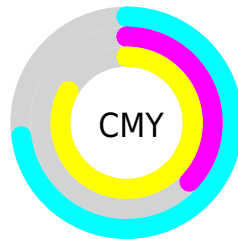
- Red (27%)
- Green (63%)
- Blue (17%)



- Red (17%)
- Yellow (63%)
- Blue (54%)



- Cyan (58%)
- Magenta (0%)
- Yellow (73%)
- Black (37%)





- Cyan (73%)
- Magenta (37%)
- Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 59, 70.038, 134.520 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, 70.038, 134.520 by changing the saturation by 10% instead.


 59, 70.038,
134.520


 59, 70.038,
134.520


 100, 70.038,
134.520


 49, 70.038,
134.520


 79, 70.038,
134.520

 39, 70.038,
134.520

 89, 70.038,
134.520

 29, 70.038,
134.520

 99, 70.038,
134.520

 19, 70.038,
134.520

 9, 70.038, 134.520

 0, 70.038, 134.520

■ 59, 70.038,
134.520

■ 59, 70.038,
134.520

■ 59, 76.424,
134.250

■ 60, 62.164,
135.029

■ 58, 80.933,
134.331

■ 60, 53.225,
135.656

■ 58, 83.322,
134.488

■ 61, 43.583,
136.317

■ 62, 33.515,
136.958

■ 63, 23.229,
137.552

■ 65, 12.878,
138.089

■ 66, 2.574, 138.611

■ 67, 7.604, 318.926

■ 69, 17.598,
319.291

Harmonies

Complementary

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



59, 70.038, 134.520



37, 71.324, 321.193

Rectangle

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



59, 70.038, 134.520



59, 70.038, 184.520



59, 70.038, 314.520



59, 70.038, 4.520

Sweetspot

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



59, 70.038, 134.521



80, 28.027, 137.558



57, 50.334, 90.567



42, 18.797, 137.415



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, 70.038, 134.521



74, 96.297, 134.252



59, 61.032, 145.761



34, 5.863, 138.252



53, 77.104, 134.399



4, 9.157, 139.229

Inverse Universe

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



37, 71.324, 321.193



44, 97.285, 321.011



40, 59.492, 339.568



32, 5.896, 319.031



29, 77.487, 320.651



1, 8.979, 317.164

Previews

White Background



This preview shows how the CIE LCh color 59, 70.038, 134.520 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 CIE LCh color 59, 70.038, 134.520 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, 70.038, 134.520

Background



This preview shows how black text looks on a background with the CIELCh color 59, 70.038, 134.520.



This preview shows how white text looks on a background with the CIELCh color 59, 70.038, 134.520.

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
59, 70.038, 134.520

Protanopia
58, 53.550, 95.384

Deuteranopia
59, 47.901, 80.650



Tritanopia
59, 20.166, 217.692

Trichromacy



Original Color
59, 70.038, 134.520



Protanomaly
58, 55.971, 114.557



Deuteranomaly
58, 49.339, 108.130



Tritanomaly
59, 33.065, 159.727

Monochromacy



Original Color
59, 70.038, 134.520



Achromatopsia
50, 0.007, 296.813



Achromatomaly
53, 28.351, 136.919

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 70.038, 134.520 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(68, 161, 44)` looks like.

```
.text, #text, p{  
    color:rgb(68, 161, 44)  
}
```

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(68, 161, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 161, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 70.038, 134.520 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(68, 161, 44) }
```

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

```
.border{ border-color:rgb(68, 161, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 161, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 161, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 161, 44);  
box-shadow:4px 4px 4px 4px rgb(68, 161,  
44) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 70.038, 134.520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 161, 44) }
```

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

```
.background{ background-color: rgb(68, 161,  
44) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor