

Converting Colors

CIELCh(59, 82.722, 133.034)

Have a look what the booklet for
CIELCh(59, 82.722, 133.034)
contains.

CIELCh(59, 82.832, 133.058)	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, 82.832, 133.058)

Conversions

Conversions Part 1

Format	Color
Hex	30A400
RGB	48, 164, 0
RGB Percent	19%, 64%, 0%
CMY	0.8103, 0.3586, 1.0000
CMYK	0.70, 0.00, 1.00, 0.36
HSL	102°, 100%, 32%
HSV	102°, 100%, 64%
XYZ	14.4282, 27.0277, 4.4301
YIQ	110.6200, -16.4920, -75.5960

Conversions

Conversions Part 2

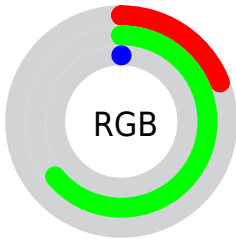
Format	Color
RYB	0, 164, 116
Decimal	3187712
CIELab	59.00, -56.55, 60.52
CIELCh	59, 82.832, 133.058
Yxy	27.0277, 0.3144, 0.5890
Android (android.graphics.Color)	4281377792 (0xFF30A400)
YUV	110.6200, -54.5357, -54.9177
Hunter-Lab	51.9882, -41.4407, 31.3395

Details

The CIELCh color **59, 82.832, 133.058** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **30, 85.784, 317.581**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **79, 82.843, 133.313**, and **40, 64.885, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **59, 82.720, 133.110**, and if you desaturate by 10%, it is **59, 79.202, 132.599**.

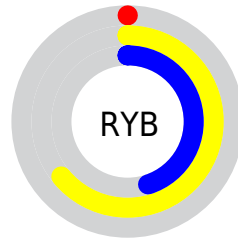
Distribution



Red (19%)

Green (64%)

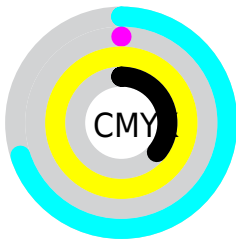
Blue (0%)



Red (0%)

Yellow (64%)

Blue (45%)

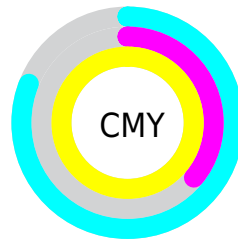


Cyan (70%)

Magenta (0%)

Yellow (100%)

Black (36%)



Cyan (81%)


Magenta (36%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 82.832, 133.058 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, 82.832, 133.058 by changing the saturation by 10% instead.


 59, 82.832,
133.058


 59, 82.832,
133.058


 100, 82.832,
133.058


 49, 82.832,
133.058


 79, 82.832,
133.058

 39, 82.832,
133.058

 89, 82.832,
133.058

 29, 82.832,
133.058

 99, 82.832,
133.058

 19, 82.832,
133.058

 9, 82.832, 133.058

 0, 82.832, 133.058

■ 59, 82.832,
133.058

■ 59, 82.832,
133.058

■ 59, 82.720,
133.110

■ 59, 79.202,
132.599

■ 60, 74.082,
132.362

■ 60, 67.243,
132.488

■ 61, 59.093,
132.858

■ 62, 50.037,
133.359

■ 63, 40.402,
133.908

■ 64, 30.427,
134.457

■ 65, 20.289,

134.977

■ 66, 10.113,
135.458

Harmonies

Complementary

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



59, 82.832, 133.058



30, 85.784, 317.581

Rectangle

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



59, 82.832, 133.058



59, 82.832, 183.058



59, 82.832, 313.058



59, 82.832, 3.058

Sweetspot

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



59, 82.720, 133.110



80, 37.526, 134.428



52, 59.445, 79.037



42, 25.776, 134.209



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



59, 82.720, 133.110



75, 100.486, 133.340



59, 80.505, 138.720



34, 5.708, 135.492



53, 75.744, 132.982



4, 8.943, 136.739

Inverse Universe

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



30, 85.784, 317.581



40, 104.016, 317.411



37, 71.079, 338.046



32, 5.753, 316.229



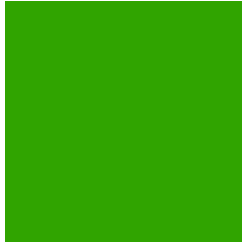
26, 78.631, 317.673



1, 8.742, 314.045

Previews

White Background



This preview shows how the CIE LCh color 59, 82.832, 133.058 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, 82.832, 133.058 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

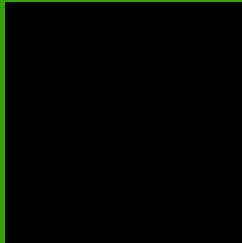
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 59, 82.832, 133.058

Background



This preview shows how black text looks on a background with the CIELCh color 59, 82.832, 133.058.



This preview shows how white text looks on a background with the CIELCh color 59, 82.832, 133.058.

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, 82.946, 133.170

Protanopia

58, 62.972, 95.090

Deuteranopia

59, 56.001, 82.522



Tritanopia
59, 22.814, 215.085

Trichromacy



Original Color
59, 82.946, 133.170



Protanomaly
57, 66.586, 114.595



Deuteranomaly
57, 60.162, 109.855



Tritanomaly
58, 42.940, 152.869

Monochromacy



Original Color
59, 82.946, 133.170



Achromatopsia
46, 0.006, 296.813



Achromatomaly
50, 37.800, 133.371

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 82.832, 133.058 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(48, 164, 0)` looks like.

```
.text, #text, p{  
    color:rgb(48, 164, 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(48, 164, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 164, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 82.832, 133.058 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(48, 164, 0) }
```

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

```
.border{ border-color:rgb(48, 164, 0) }
```

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

Here you see how a box with a 4 pixel rgb(48, 164, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 164, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 164, 0);  
box-shadow:4px 4px 4px 4px rgb(48, 164, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 59, 82.832, 133.058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 164, 0) }
```

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

```
.background{ background-color: rgb(48, 164,  
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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