

Converting Colors

CIELCh(57, 74.626, 131.579)

Have a look what the booklet for
CIELCh(57, 74.626, 131.579)
contains.

CIELCh(57, 74.637, 131.584)	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(57, 74.637, 131.584)

Conversions

Conversions Part 1

Format	Color
Hex	419C13
RGB	65, 156, 19
RGB Percent	25%, 61%, 7%
CMY	0.7454, 0.3885, 0.9259
CMYK	0.58, 0.00, 0.88, 0.39
HSL	100°, 78%, 34%
HSV	100°, 88%, 61%
XYZ	14.1691, 24.9227, 4.6753
YIQ	113.1730, -10.2590, -61.8990

Conversions

Conversions Part 2

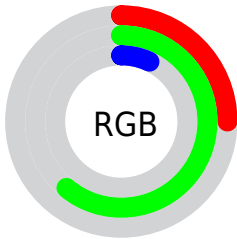
Format	Color
RYB	19, 156, 110
Decimal	4299795
CIELab	57.00, -49.54, 55.83
CIElCh	57, 74.637, 131.584
Yxy	24.9227, 0.3237, 0.5694
Android (android.graphics.Color)	4282489875 (0xFF419C13)
YUV	113.1730, -46.4273, -42.2477
Hunter-Lab	49.9226, -36.7024, 29.3932

Details

The CIELCh color $57, 74.637, 131.584$ is a dark color, and the websafe version is hex 339900 . A complement of this color would be $30, 78.924, 316.957$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $77, 74.385, 131.669$, and $38, 61.962, 136.016$ is the 20% darker color. If you saturate the color by 10%, you get $57, 78.345, 132.167$, and if you desaturate by 10%, it is $57, 69.293, 131.359$.

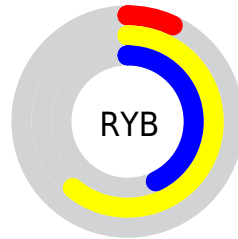
Distribution



Red (25%)

Green (61%)

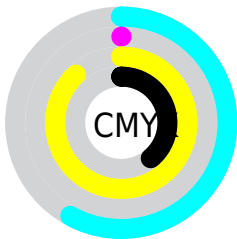
Blue (7%)



Red (7%)

Yellow (61%)

Blue (43%)

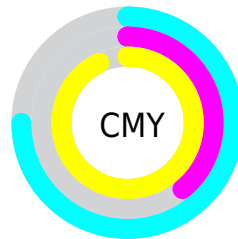


Cyan (58%)

Magenta (0%)

Yellow (88%)

Black (39%)



Cyan (75%)

Magenta (39%)

Yellow (93%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 74.637, 131.584 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 57, 74.637, 131.584 by changing the saturation by 10% instead.

 57, 74.637,
131.584

 57, 74.637,
131.584

 100, 74.637,
131.584

 47, 74.637,
131.584

 77, 74.637,
131.584

 37, 74.637,
131.584

 87, 74.637,
131.584

 27, 74.637,
131.584

 97, 74.637,
131.584

 17, 74.637,
131.584

 7, 74.637, 131.584

 0, 74.637, 131.584

■ 57, 74.637,
131.584

■ 57, 74.637,
131.584

■ 57, 78.345,
132.167

■ 57, 69.293,
131.359

■ 57, 79.065,
132.270

■ 58, 62.422,
131.481

■ 59, 54.420,
131.830

■ 59, 45.653,
132.299

■ 60, 36.404,
132.815

■ 61, 26.881,
133.332

■ 62, 17.233,
133.824

■ 63, 7.567, 134.284

Harmonies

Complementary

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



57, 74.637, 131.584



30, 78.924, 316.957

Rectangle

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



57, 74.637, 131.584



57, 74.637, 181.584



57, 74.637, 311.584



57, 74.637, 1.584

Sweetspot

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



57, 74.637, 131.585



77, 30.894, 133.402



49, 53.207, 77.146



41, 21.099, 133.239



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



57, 74.637, 131.585



72, 95.888, 132.531



56, 74.476, 139.359



33, 5.498, 134.222



52, 74.044, 132.163



3, 7.220, 135.146

Inverse Universe

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



30, 78.924, 316.957



37, 100.991, 316.198



37, 69.327, 334.300



31, 5.547, 314.948



25, 78.190, 316.464



1, 7.124, 313.472

Previews

White Background



This preview shows how the CIELCh color 57, 74.637, 131.584 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 57, 74.637, 131.584 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 57, 74.637, 131.584

Background



This preview shows how black text looks on a background with the CIELCh color 57, 74.637, 131.584.



This preview shows how white text looks on a background with the CIELCh color 57, 74.637, 131.584.

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


57, 74.637, 131.584

Protanopia

56, 59.317, 95.263

Deuteranopia

57, 53.273, 81.976



Tritanopia
57, 19.408, 218.689

Trichromacy



Original Color
57, 74.637, 131.584

Protanomaly
56, 61.526, 112.540

Deuteranomaly
56, 55.322, 106.952

Tritanomaly
56, 35.359, 153.889

Monochromacy



Original Color
57, 74.637, 131.584

Achromatopsia
48, 0.006, 296.813

Achromatomaly
50, 31.857, 132.674

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 74.637, 131.584 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(65, 156, 19)` looks like.

```
.text, #text, p{  
    color:rgb(65, 156, 19)  
}
```

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(65, 156, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 156, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 74.637, 131.584 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(65, 156, 19) }
```

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

```
.border{ border-color:rgb(65, 156, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 156, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 156, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 156, 19);  
box-shadow:4px 4px 4px 4px rgb(65, 156,  
19) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 74.637, 131.584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 156, 19) }
```

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

```
.background{ background-color: rgb(65, 156,  
19) }
```

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