

Converting Colors

CIELCh(58, 78.223, 134.618)

Have a look what the booklet for
CIELCh(58, 78.223, 134.618)
contains.

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Color

CIELCh(58, 77.917, 134.619)

Conversions

Conversions Part 1

Format	Color
Hex	30A017
RGB	48, 160, 23
RGB Percent	19%, 63%, 9%
CMY	0.8100, 0.3712, 0.9080
CMYK	0.70, 0.00, 0.85, 0.37
HSL	109°, 74%, 36%
HSV	109°, 85%, 63%
XYZ	14.0285, 25.9610, 5.1066
YIQ	110.8940, -22.7750, -66.3510

Conversions

Conversions Part 2

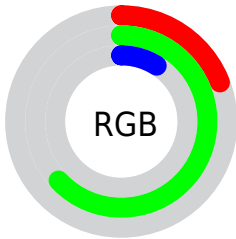
Format	Color
R_{YB}	23, 160, 135
Decimal	3186711
CIE Lab	58.00, -54.73, 55.46
CIE LCh	58, 77.917, 134.619
Yxy	25.9610, 0.3111, 0.5757
Android (android.graphics.Color)	4281376791 (0xFF30A017)
YUV	110.8940, -43.3317, -55.1580
Hunter-Lab	50.9519, -40.0198, 29.7240

Details

The CIELCh color **58, 77.917, 134.619** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **35, 78.370, 321.841**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **78, 78.196, 134.560**, and **39, 63.219, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **58, 81.812, 134.724**, and if you desaturate by 10%, it is **58, 72.077, 134.869**.

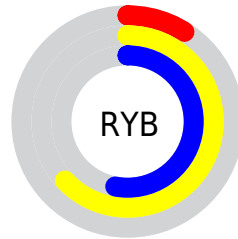
Distribution



Red (19%)

Green (63%)

Blue (9%)



Red (9%)

Yellow (63%)

Blue (53%)

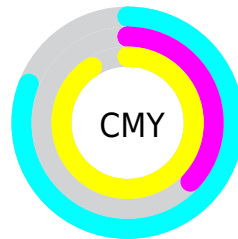


Cyan (70%)

Magenta (0%)

Yellow (85%)

Black (37%)



Cyan (81%)


Magenta (37%)

Yellow (91%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 77.917, 134.619 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 58, 77.917, 134.619 by changing the saturation by 10% instead.

 58, 77.917,
134.619


 58, 77.917,
134.619

 100, 77.917,
134.619

 48, 77.917,
134.619


 78, 77.917,
134.619


 38, 77.917,
134.619

 88, 77.917,
134.619

 28, 77.917,
134.619

 98, 77.917,
134.619

 18, 77.917,
134.619

 8, 77.917, 134.619

 0, 77.917, 134.619

■ 58, 77.917,
134.619

■ 58, 77.917,
134.619

■ 58, 81.812,
134.724

■ 58, 72.077,
134.869

■ 58, 83.237,
134.755

■ 59, 64.610,
135.380

■ 60, 55.946,
136.032

■ 61, 46.469,
136.727

■ 62, 36.484,
137.407

■ 63, 26.220,
138.037

■ 64, 15.851,
138.606

■ 65, 5.502, 139.125

Harmonies

Complementary

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



58, 77.917, 134.619



35, 78.370, 321.841

Rectangle

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



58, 77.917, 134.619



58, 77.917, 184.619



58, 77.917, 314.619



58, 77.917, 4.619

Sweetspot

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



58, 77.917, 134.620



80, 33.366, 137.969



57, 57.218, 91.377



41, 22.565, 137.769



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



58, 77.917, 134.620



74, 101.614, 134.923



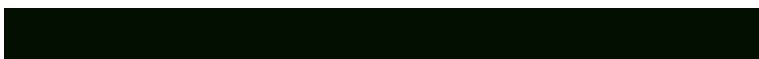
58, 66.738, 144.665



33, 5.750, 138.926



52, 76.377, 134.663



3, 7.525, 139.611

Inverse Universe

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



35, 78.370, 321.841



43, 101.169, 321.269



37, 62.754, 343.212



31, 5.779, 319.717



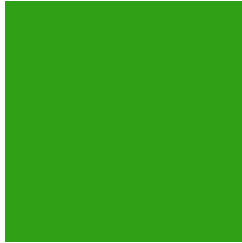
29, 76.248, 321.455



1, 7.437, 318.404

Previews

White Background



This preview shows how the CIELCh color 58, 77.917, 134.619 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 58, 77.917, 134.619 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

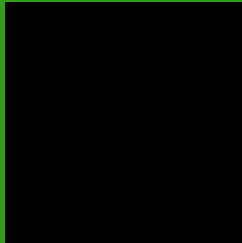
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 77.917, 134.619

Background



This preview shows how black text looks on a background with the CIELCh color 58, 77.917, 134.619.



This preview shows how white text looks on a background with the CIELCh color 58, 77.917, 134.619.

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


58, 77.917, 134.619

Protanopia

58, 59.359, 95.408

Deuteranopia

57, 52.723, 81.445



Tritanopia
58, 22.558, 215.356

Trichromacy



Original Color
58, 77.917, 134.619



Protanomaly
57, 62.818, 115.626



Deuteranomaly
56, 55.113, 110.430



Tritanomaly
57, 38.511, 157.856

Monochromacy



Original Color
58, 77.917, 134.619



Achromatopsia
47, 0.006, 296.813



Achromatomaly
50, 33.454, 137.297

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 77.917, 134.619 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, 160, 23)` looks like.

```
.text, #text, p{  
    color:rgb(48, 160, 23)  
}
```

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, 160, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 160, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 77.917, 134.619 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, 160, 23) }
```

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

```
.border{ border-color:rgb(48, 160, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 160, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 160, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 160, 23);  
box-shadow:4px 4px 4px 4px rgb(48, 160,  
23) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 77.917, 134.619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 160, 23) }
```

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

```
.background{ background-color: rgb(48, 160,  
23) }
```

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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