

Converting Colors

CIELCh(58, 77.992, 129.387)

Have a look what the booklet for
CIELCh(58, 77.992, 129.387)
contains.

CIELCh(58, 77.787, 129.519)	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(58, 77.787, 129.519)

Conversions

Conversions Part 1

Format	Color
Hex	469F00
RGB	70, 159, 0
RGB Percent	27%, 62%, 0%
CMY	0.7235, 0.3782, 1.0000
CMYK	0.56, 0.00, 1.00, 0.38
HSL	93°, 100%, 31%
HSV	93°, 100%, 62%
XYZ	14.8780, 25.9610, 4.2008
YIQ	114.2630, -2.0050, -68.3170

Conversions

Conversions Part 2

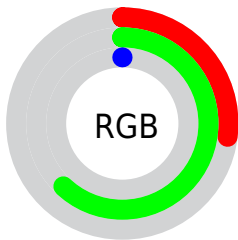
Format	Color
RYB	0, 159, 89
Decimal	4628224
CIELab	58.00, -49.50, 60.01
CIElCh	58, 77.787, 129.519
Yxy	25.9610, 0.3303, 0.5764
Android (android.graphics.Color)	4282818304 (0xFF469F00)
YUV	114.2630, -56.3317, -38.8187
Hunter-Lab	50.9519, -37.0437, 30.7781

Details

The CIELCh color **58, 77.787, 129.519** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **25, 86.351, 313.361**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **78, 78.131, 129.859**, and **38, 62.800, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **58, 77.669, 129.571**, and if you desaturate by 10%, it is **58, 74.181, 128.762**.

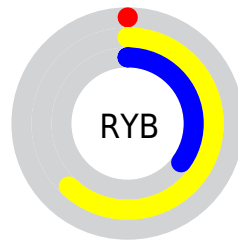
Distribution



Red (27%)

Green (62%)

Blue (0%)



Red (0%)

Yellow (62%)

Blue (35%)

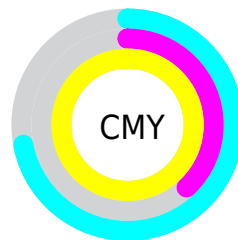


Cyan (56%)

Magenta (0%)

Yellow (100%)

Black (38%)



Cyan (72%)


Magenta (38%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 77.787, 129.519 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, 77.787, 129.519 by changing the saturation by 10% instead.


 58, 77.787,
129.519


 58, 77.787,
129.519


 100, 77.787,
129.519


 48, 77.787,
129.519


 78, 77.787,
129.519

 38, 77.787,
129.519

 88, 77.787,
129.519

 28, 77.787,
129.519

 98, 77.787,
129.519

 18, 77.787,
129.519

 8, 77.787, 129.519

 0, 77.787, 129.519

■ 58, 77.787,
129.519

■ 58, 77.787,
129.519

■ 58, 77.669,
129.571

■ 58, 74.181,
128.762

■ 59, 69.284,
128.267

■ 59, 62.820,
128.174

■ 60, 55.169,
128.363

■ 61, 46.704,
128.721

■ 61, 37.719,
129.165

■ 62, 28.427,
129.641

■ 63, 18.977,

130.116

■ 64, 9.474, 130.573

Harmonies

Complementary

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



58, 77.787, 129.519



25, 86.351, 313.361

Rectangle

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



58, 77.787, 129.519



58, 77.787, 179.519



58, 77.787, 309.519



58, 77.787, 359.519

Sweetspot

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



58, 77.669, 129.571



79, 35.253, 129.614



44, 58.623, 65.325



42, 24.206, 129.423



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, 77.669, 129.571



74, 94.820, 129.876



57, 82.986, 136.502



33, 5.343, 130.606



53, 71.835, 129.427



4, 7.032, 131.756

Inverse Universe

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



25, 86.351, 313.361



34, 105.271, 313.146



37, 77.941, 330.300



31, 5.406, 311.353



22, 79.918, 313.462



1, 6.949, 309.995

Previews

White Background



This preview shows how the CIELCh color 58, 77.787, 129.519 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, 77.787, 129.519 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

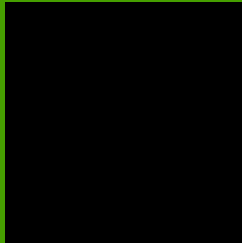
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 77.787, 129.519

Background



This preview shows how black text looks on a background with the CIELCh color 58, 77.787, 129.519.



This preview shows how white text looks on a background with the CIELCh color 58, 77.787, 129.519.

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, 77.935, 129.701

Protanopia

58, 62.268, 95.422

Deuteranopia

57, 55.608, 82.219



Tritanopia
58, 18.637, 219.605

Trichromacy



Original Color
58, 77.935, 129.701

Protanomaly
57, 64.832, 111.385

Deuteranomaly
56, 58.577, 105.554

Tritanomaly
57, 38.042, 148.375

Monochromacy



Original Color
58, 77.935, 129.701

Achromatopsia
48, 0.006, 296.813

Achromatomaly
51, 35.125, 129.228

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 77.787, 129.519 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(70, 159, 0)` looks like.

```
.text, #text, p{  
    color:rgb(70, 159, 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(70, 159, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 159, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 77.787, 129.519 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(70, 159, 0) }
```

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

```
.border{ border-color:rgb(70, 159, 0) }
```

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

Here you see how a box with a 4 pixel rgb(70, 159, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 159, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 159, 0);  
box-shadow:4px 4px 4px 4px rgb(70, 159, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 58, 77.787, 129.519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 159, 0) }
```

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

```
.background{ background-color: rgb(70, 159,  
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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