

Converting Colors

CIELCh(58, 77.887, 130.036)

Have a look what the booklet for
CIELCh(58, 77.887, 130.036)
contains.

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Color

CIELCh(58, 78.099, 130.112)

Conversions

Conversions Part 1

Format	Color
Hex	449F01
RGB	68, 159, 1
RGB Percent	27%, 62%, 0%
CMY	0.7341, 0.3771, 0.9974
CMYK	0.57, 0.00, 1.00, 0.38
HSL	95°, 99%, 31%
HSV	95°, 100%, 62%
XYZ	14.7427, 25.9610, 4.2526
YIQ	113.7790, -3.5180, -68.4300

Conversions

Conversions Part 2

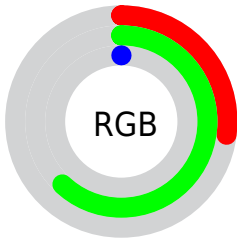
Format	Color
R_{YB}	1, 159, 92
Decimal	4497153
CIE _{Lab}	58.00, -50.32, 59.73
CIE _{LCh}	58, 78.099, 130.112
Yxy	25.9610, 0.3279, 0.5775
Android (android.graphics.Color)	4282687233 (0xFF449F01)
YUV	113.7790, -55.6000, -40.1482
Hunter-Lab	50.9519, -37.5177, 30.7178

Details

The CIELCh color **58, 78.099, 130.112** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **26, 85.927, 313.896**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **78, 78.291, 130.070**, and **38, 62.800, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **58, 78.241, 130.141**, and if you desaturate by 10%, it is **58, 74.559, 129.333**.

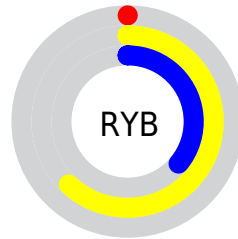
Distribution



Red (27%)

Green (62%)

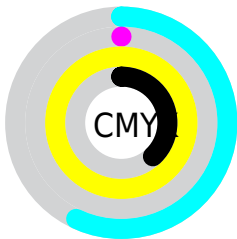
Blue (0%)



Red (0%)

Yellow (62%)

Blue (36%)

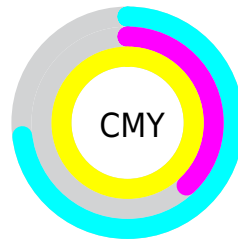


Cyan (57%)

Magenta (0%)

Yellow (100%)

Black (38%)



Cyan (73%)

Magenta (38%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 78.099, 130.112 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, 78.099, 130.112 by changing the saturation by 10% instead.


 58, 78.099,
130.112

 58, 78.099,
130.112


 100, 78.099,
130.112

 48, 78.099,
130.112


 78, 78.099,
130.112

 38, 78.099,
130.112

 88, 78.099,
130.112

 28, 78.099,
130.112

 98, 78.099,
130.112

 18, 78.099,
130.112

 8, 78.099, 130.112

 0, 78.099, 130.112

■ 58, 78.099,
130.112

■ 58, 78.099,
130.112

■ 58, 78.241,
130.141

■ 58, 74.559,
129.333

■ 59, 69.551,
128.880

■ 59, 62.979,
128.821

■ 60, 55.228,
129.035

■ 61, 46.670,
129.411

■ 61, 37.600,
129.866

■ 62, 28.229,
130.347

■ 63, 18.706,

130.822

■ 64, 9.136, 131.277

Harmonies

Complementary

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



58, 78.099, 130.112



26, 85.927, 313.896

Rectangle

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



58, 78.099, 130.112



58, 78.099, 180.112



58, 78.099, 310.112



58, 78.099, 0.112

Sweetspot

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



58, 78.099, 130.113



79, 35.447, 130.299



45, 58.273, 66.883



42, 24.340, 130.107



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, 78.099, 130.113



74, 95.395, 130.439



57, 82.671, 136.679



33, 5.370, 131.293



52, 72.268, 129.998



4, 7.065, 132.397

Inverse Universe

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



26, 85.927, 313.896



35, 104.816, 313.667



37, 76.964, 331.028



31, 5.430, 312.031



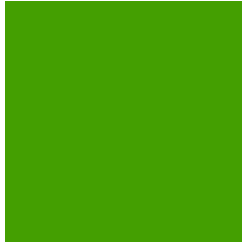
23, 79.584, 313.979



1, 6.979, 310.652

Previews

White Background



This preview shows how the CIELCh color 58, 78.099, 130.112 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 58, 78.099, 130.112 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, 78.099, 130.112

Background



This preview shows how black text looks on a background with the CIELCh color 58, 78.099, 130.112.



This preview shows how white text looks on a background with the CIELCh color 58, 78.099, 130.112.

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, 78.099, 130.112

Protanopia
58, 62.268, 95.422

Deuteranopia
57, 55.608, 82.219



Tritanopia
58, 19.407, 218.624

Trichromacy



Original Color
58, 78.099, 130.112

Protanomaly
57, 64.912, 111.773

Deuteranomaly
56, 58.600, 106.007

Tritanomaly
57, 38.666, 149.358

Monochromacy



Original Color
58, 78.099, 130.112

Achromatopsia
48, 0.006, 296.813

Achromatomaly
51, 35.300, 129.816

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 78.099, 130.112 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, 159, 1)` looks like.

```
.text, #text, p{  
    color:rgb(68, 159, 1)  
}
```

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, 159, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 159, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 78.099, 130.112 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, 159, 1) }
```

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

```
.border{ border-color:rgb(68, 159, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 159, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 159, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 159, 1);  
box-shadow:4px 4px 4px 4px rgb(68, 159, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 58, 78.099, 130.112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 159, 1) }
```

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

```
.background{ background-color: rgb(68, 159,  
1) }
```

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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