

Converting Colors

CIELCh(58, 75.401, 129.343)

Have a look what the booklet for
CIELCh(58, 75.401, 129.343)
contains.

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Color

CIELCh(58, 75.325, 129.278)

Conversions

Conversions Part 1

Format	Color
Hex	4B9E0B
RGB	75, 158, 11
RGB Percent	29%, 62%, 4%
CMY	0.7060, 0.3805, 0.9571
CMYK	0.53, 0.00, 0.93, 0.38
HSL	94°, 87%, 33%
HSV	94°, 93%, 62%
XYZ	15.1801, 25.9610, 4.5255
YIQ	116.4250, -2.2810, -63.3130

Conversions

Conversions Part 2

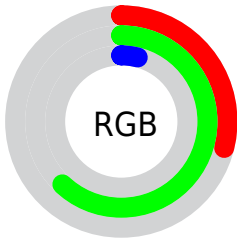
Format	Color
RYB	11, 158, 94
Decimal	4955659
CIELab	58.00, -47.69, 58.31
CIELCh	58, 75.325, 129.278
Yxy	25.9610, 0.3324, 0.5685
Android (android.graphics.Color)	4283145739 (0xFF4B9E0B)
YUV	116.4250, -51.9745, -36.3297
Hunter-Lab	50.9519, -35.9854, 30.4003

Details

The CIELCh color **58, 75.325, 129.278** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **27, 83.176, 313.927**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 75.050, 129.376**, and **38, 62.800, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **58, 77.670, 129.830**, and if you desaturate by 10%, it is **58, 70.959, 128.655**.

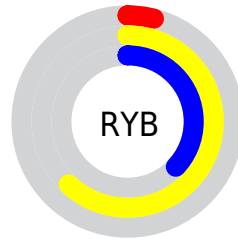
Distribution



Red (29%)

Green (62%)

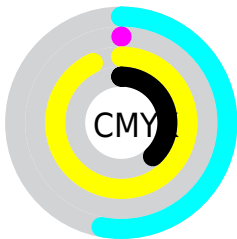
Blue (4%)



Red (4%)

Yellow (62%)

Blue (37%)

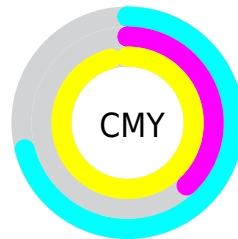


Cyan (53%)

Magenta (0%)

Yellow (93%)

Black (38%)



Cyan (71%)


Magenta (38%)


Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 75.325, 129.278 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, 75.325, 129.278 by changing the saturation by 10% instead.


 58, 75.325,
129.278


 58, 75.325,
129.278


 100, 75.325,
129.278


 48, 75.325,
129.278

 78, 75.325,
129.278

 38, 75.325,
129.278

 88, 75.325,
129.278

 28, 75.325,
129.278

 98, 75.325,
129.278

 18, 75.325,
129.278

 8, 75.325, 129.278

 0, 75.325, 129.278

■ 58, 75.325,
129.278

■ 58, 75.325,
129.278

■ 58, 77.670,
129.830

■ 58, 70.959,
128.655

■ 59, 64.935,
128.461

■ 59, 57.604,
128.584

■ 60, 49.353,
128.907

■ 61, 40.503,
129.336

■ 62, 31.288,
129.809

■ 63, 21.877,
130.287

■ 64, 12.385,

130.750

■ 65, 2.896, 131.208

Harmonies

Complementary

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



58, 75.325, 129.278



27, 83.176, 313.927

Rectangle

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



58, 75.325, 129.278



58, 75.325, 179.278



58, 75.325, 309.278



58, 75.325, 359.278

Sweetspot

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



58, 75.325, 129.279



79, 33.003, 130.026



46, 55.654, 66.931



42, 22.937, 129.830



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, 75.325, 129.279



74, 95.085, 130.137



57, 80.863, 136.904



33, 5.355, 130.921



53, 72.034, 129.692



4, 7.047, 132.050

Inverse Universe

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



27, 83.176, 313.927



34, 105.062, 313.382



37, 76.468, 330.120



31, 5.417, 311.664



23, 79.765, 313.696



1, 6.963, 310.296

Previews

White Background



This preview shows how the CIELCh color 58, 75.325, 129.278 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, 75.325, 129.278 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, 75.325, 129.278

Background



This preview shows how black text looks on a background with the CIELCh color 58, 75.325, 129.278.



This preview shows how white text looks on a background with the CIELCh color 58, 75.325, 129.278.

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, 75.325, 129.278

Protanopia

58, 62.268, 95.422

Deuteranopia

57, 55.268, 82.134



Tritanopia
58, 17.852, 220.669

Trichromacy



Original Color
58, 75.325, 129.278

Protanomaly
57, 64.060, 110.738

Deuteranomaly
57, 57.203, 104.826

Tritanomaly
57, 35.402, 149.226

Monochromacy



Original Color
58, 75.325, 129.278

Achromatopsia
49, 0.007, 296.813

Achromatomaly
51, 32.739, 129.538

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 75.325, 129.278 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(75, 158, 11)` looks like.

```
.text, #text, p{  
    color:rgb(75, 158, 11)  
}
```

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(75, 158, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 158, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 75.325, 129.278 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(75, 158, 11) }
```

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

```
.border{ border-color:rgb(75, 158, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 158, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 158, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 158, 11);  
box-shadow:4px 4px 4px 4px rgb(75, 158,  
11) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 75.325, 129.278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 158, 11) }
```

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

```
.background{ background-color: rgb(75, 158,  
11) }
```

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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