

Converting Colors

CIELCh(58, 75.376, 126.730)

Have a look what the booklet for
CIELCh(58, 75.376, 126.730)
contains.

CIELCh(58, 75.078, 126.857)	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, 75.078, 126.857)

Conversions

Conversions Part 1

Format	Color
Hex	539D00
RGB	83, 157, 0
RGB Percent	33%, 62%, 0%
CMY	0.6744, 0.3842, 0.9998
CMYK	0.47, 0.00, 1.00, 0.38
HSL	88°, 100%, 31%
HSV	88°, 100%, 62%
XYZ	15.6300, 25.9610, 4.1884
YIQ	116.9760, 6.2930, -64.5150

Conversions

Conversions Part 2

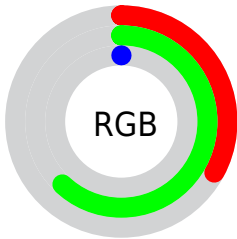
Format	Color
RYB	0, 157, 74
Decimal	5479680
CIELab	58.00, -45.03, 60.07
CIELCh	58, 75.078, 126.857
Yxy	25.9610, 0.3414, 0.5671
Android (android.graphics.Color)	4283669760 (0xFF539D00)
YUV	116.9760, -57.6692, -29.7970
Hunter-Lab	50.9519, -34.4094, 30.7926

Details

The CIELCh color **58, 75.078, 126.857** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **23, 87.256, 311.408**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 75.087, 126.691**, and **38, 61.114, 134.486** is the 20% darker color. If you saturate the color by 10%, you get **58, 75.089, 126.861**, and if you desaturate by 10%, it is **58, 71.741, 125.979**.

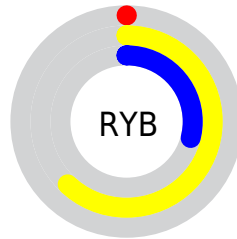
Distribution



Red (33%)

Green (62%)

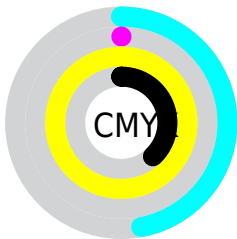
Blue (0%)



Red (0%)

Yellow (62%)

Blue (29%)

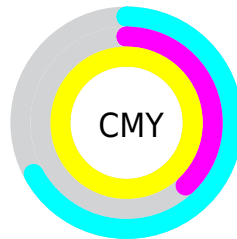


Cyan (47%)

Magenta (0%)

Yellow (100%)

Black (38%)



Cyan (67%)


Magenta (38%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 75.078, 126.857 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, 75.078, 126.857 by changing the saturation by 10% instead.


 58, 75.078,
126.857


 58, 75.078,
126.857


 100, 75.078,
126.857

 48, 75.078,
126.857


 78, 75.078,
126.857

 38, 75.078,
126.857

 88, 75.078,
126.857

 28, 75.078,
126.857

 98, 75.078,
126.857

 18, 75.078,
126.857

 8, 75.078, 126.857

 0, 75.078, 126.857

■ 58, 75.078,
126.857

■ 58, 75.078,
126.857

■ 58, 75.089,
126.861

■ 58, 71.741,
125.979

■ 59, 67.047,
125.430

■ 59, 60.821,
125.290

■ 60, 53.436,
125.441

■ 60, 45.255,
125.773

■ 61, 36.565,
126.203

■ 62, 27.569,
126.677

■ 63, 18.409,

127.160

■ 64, 9.183, 127.633

Harmonies

Complementary

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



58, 75.078, 126.857



23, 87.256, 311.408

Rectangle

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



58, 75.078, 126.857



58, 75.078, 176.857



58, 75.078, 306.857



58, 75.078, 356.857

Sweetspot

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



58, 75.078, 126.858



79, 34.152, 126.648



41, 60.013, 58.446



41, 23.204, 126.461



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



58, 75.078, 126.858



74, 91.446, 127.178



56, 83.174, 135.850



33, 5.239, 127.666



53, 69.964, 126.726



4, 6.904, 129.022

Inverse Universe

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



23, 87.256, 311.408



31, 106.199, 311.192



36, 80.563, 326.937



31, 5.313, 308.470



21, 81.343, 311.499



1, 6.832, 307.198

Previews

White Background



This preview shows how the CIELCh color 58, 75.078, 126.857 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, 75.078, 126.857 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, 75.078, 126.857

Background



This preview shows how black text looks on a background with the CIELCh color 58, 75.078, 126.857.



This preview shows how white text looks on a background with the CIELCh color 58, 75.078, 126.857.

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, 75.078, 126.857

Protanopia
58, 62.268, 95.422

Deuteranopia
58, 56.295, 82.457



Tritanopia
58, 15.978, 223.671

Trichromacy



Original Color
58, 75.078, 126.857

Protanomaly
57, 64.544, 109.810

Deuteranomaly
57, 58.767, 102.794

Tritanomaly
57, 34.960, 144.407

Monochromacy



Original Color
58, 75.078, 126.857

Achromatopsia
49, 0.007, 296.813

Achromatomaly
52, 34.732, 125.837

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 75.078, 126.857 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(83, 157, 0)` looks like.

```
.text, #text, p{  
    color:rgb(83, 157, 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(83, 157, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 157, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 75.078, 126.857 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(83, 157, 0) }
```

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

```
.border{ border-color:rgb(83, 157, 0) }
```

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

Here you see how a box with a 4 pixel rgb(83, 157, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 157, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 157, 0);  
box-shadow:4px 4px 4px 4px rgb(83, 157, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 58, 75.078, 126.857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 157, 0) }
```

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

```
.background{ background-color: rgb(83, 157,  
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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