

# Converting Colors

CIELCh(73, 60.099, 118.860)

Have a look what the booklet for  
CIELCh(73, 60.099, 118.860)  
contains.

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**Color**

**CIELCh(73, 60.258, 118.804)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DC04D
RGB	157, 192, 77
RGB Percent	62%, 75%, 30%
CMY	0.3860, 0.2487, 0.6996
CMYK	0.18, 0.00, 0.60, 0.25
HSL	78°, 48%, 53%
HSV	78°, 60%, 75%
XYZ	33.8999, 45.1644, 13.8758
YIQ	168.4250, 16.0550, -43.1850

# Conversions

## Conversions Part 2

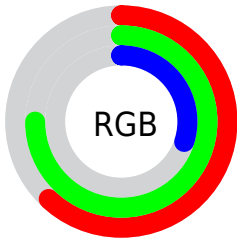
<b>Format</b>	<b>Color</b>
<b>RYB</b>	77, 192, 112
Decimal	10338381
CIELab	73.00, -29.03, 52.80
CIElCh	73, 60.258, 118.804
Yxy	45.1644, 0.3648, 0.4860
Android (android.graphics.Color)	4288528461 (0xFF9DC04D)
YUV	168.4250, -45.0725, -10.0197
Hunter-Lab	67.2044, -27.5671, 34.8014

# Details

The CIELCh color **73, 60.258, 118.804** is a dark color, and the websafe version is hex **99CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **42, 69.118, 306.614**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 60.522, 118.827**, and **53, 60.123, 118.484** is the 20% darker color. If you saturate the color by 10%, you get **72, 68.323, 118.615**, and if you desaturate by 10%, it is **74, 51.187, 119.191**.

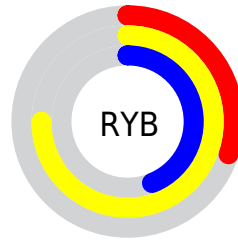
# Distribution



Red (62%)

Green (75%)

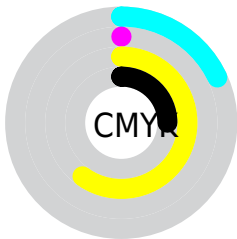
Blue (30%)



Red (30%)

Yellow (75%)

Blue (44%)

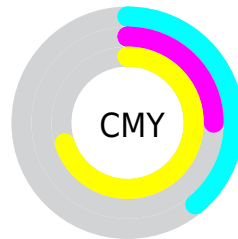


Cyan (18%)

Magenta (0%)

Yellow (60%)

Black (25%)



Cyan (39%)

Magenta (25%)


Yellow (70%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 60.258, 118.804 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 73, 60.258, 118.804 by changing the saturation by 10% instead.





 73, 60.258,  
118.804


 73, 60.258,  
118.804


 100, 60.258,  
118.804


 63, 60.258,  
118.804


 93, 60.258,  
118.804

 53, 60.258,  
118.804

 43, 60.258,  
118.804

 33, 60.258,  
118.804

 23, 60.258,  
118.804

 13, 60.258,  
118.804

 3, 60.258, 118.804

0, 60.258, 118.804

73, 60.258,  
118.804

73, 60.258,  
118.804

72, 68.323,  
118.615

74, 51.187,  
119.191

72, 74.927,  
118.721

74, 41.464,  
119.691

72, 79.637,  
119.234

75, 31.342,  
120.250

71, 82.562,  
120.130

76, 20.988,  
120.831

77, 10.519,  
121.412

78, 0.012, 125.972

■ 79, 10.479,  
302.497

■ 80, 20.915,  
303.003

■ 81, 31.267,  
303.472

# Harmonies

# Complementary

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



73, 60.258, 118.804



42, 69.118, 306.614

# Rectangle

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



73, 60.258, 118.804



73, 60.258, 168.804



73, 60.258, 298.804



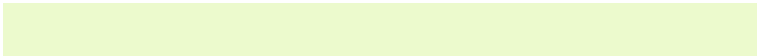
73, 60.258, 348.804

# Sweetspot

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



73, 60.259, 118.806



96, 23.426, 120.932



55, 43.486, 48.885



51, 16.263, 120.761



99, 0.012, 296.813



52, 0.007, 296.813





# Same Dimension

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



73, 60.259, 118.806



92, 86.188, 118.611



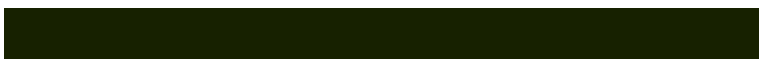
70, 69.023, 135.259



41, 6.007, 121.449



61, 72.381, 119.940



11, 19.716, 124.057



# Inverse Universe

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



42, 69.118, 306.614



46, 102.776, 307.702



49, 70.386, 321.196



38, 6.119, 302.513



21, 91.735, 308.482



2, 19.745, 299.300



# Previews

## White Background



This preview shows how the CIELCh color 73, 60.258, 118.804 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 73, 60.258, 118.804 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 ✓ Pass

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

# CIELCh 73, 60.258, 118.804

## Background



This preview shows how black text looks on a background with the CIELCh color 73, 60.258, 118.804.

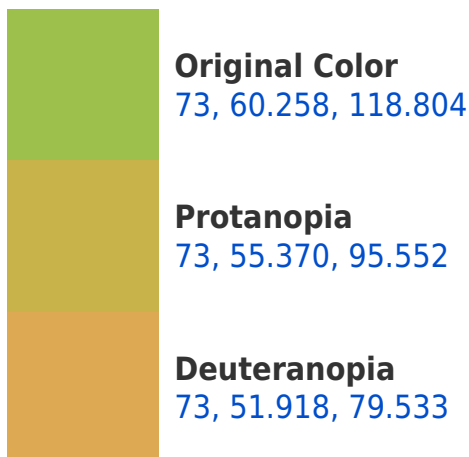


This preview shows how white text looks on a background with the CIELCh color 73, 60.258, 118.804.

# 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







**Tritanopia**  
73, 8.185, 267.840

# Trichromacy



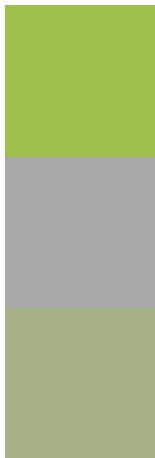
**Original Color**  
73, 60.258, 118.804

**Protanomaly**  
73, 56.207, 104.688

**Deuteranomaly**  
73, 51.375, 95.261

**Tritanomaly**  
73, 19.163, 129.861

# Monochromacy



**Original Color**  
73, 60.258, 118.804

**Achromatopsia**  
69, 0.009, 296.813

**Achromatomaly**  
70, 23.318, 120.823

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 73, 60.258, 118.804 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(157, 192, 77)` looks like.

```
.text, #text, p{  
    color:rgb(157, 192, 77)  
}
```

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(157, 192, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 192, 77) }
```

## Border

The CSS property to change the border of an element to CIELCh 73, 60.258, 118.804 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(157, 192, 77) }
```

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

```
.border{ border-color:rgb(157, 192, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 192, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 192, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 192, 77);  
box-shadow:4px 4px 4px 4px rgb(157, 192,  
77) }
```

# Background

The CSS property to change the background color of an element to CIELCh 73, 60.258, 118.804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 192, 77) }
```

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

```
.background{ background-color: rgb(157,  
192, 77) }
```

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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