

# Converting Colors

CIELCh(60, 62.244, 124.623)

Have a look what the booklet for  
CIELCh(60, 62.244, 124.623)  
contains.

<b>CIELCh(60, 62.346, 124.731)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

**Color**

**CIELCh(60, 62.346, 124.731)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6B9F2D
RGB	107, 159, 45
RGB Percent	42%, 62%, 18%
CMY	0.5803, 0.3763, 0.8234
CMYK	0.33, 0.00, 0.72, 0.38
HSL	87°, 56%, 40%
HSV	87°, 72%, 62%
XYZ	18.9440, 28.1233, 6.9154
YIQ	130.4560, 5.6020, -46.4780

# Conversions

## Conversions Part 2

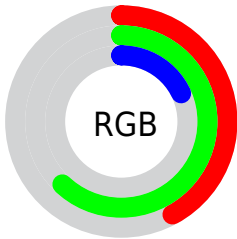
<b>Format</b>	<b>Color</b>
<b>RYB</b>	45, 159, 97
Decimal	7053101
CIELab	60.00, -35.52, 51.24
CIElCh	60, 62.346, 124.731
Yxy	28.1233, 0.3509, 0.5210
Android (android.graphics.Color)	4285243181 (0xFF6B9F2D)
YUV	130.4560, -42.1298, -20.5709
Hunter-Lab	53.0314, -29.0408, 29.3905

# Details

The CIELCh color **60, 62.346, 124.731** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **32, 70.376, 311.268**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **80, 62.287, 124.720**, and **40, 57.206, 127.369** is the 20% darker color. If you saturate the color by 10%, you get **60, 68.345, 124.940**, and if you desaturate by 10%, it is **61, 55.105, 124.838**.

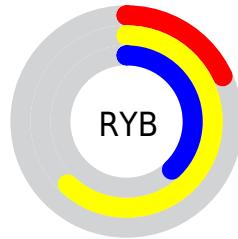
# Distribution



Red (42%)

Green (62%)

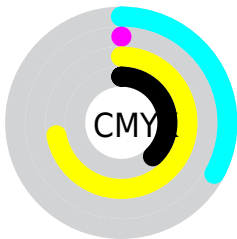
Blue (18%)



Red (18%)

Yellow (62%)

Blue (38%)

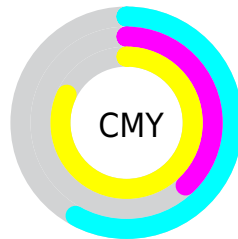


Cyan (33%)

Magenta (0%)

Yellow (72%)

Black (38%)



Cyan (58%)

Magenta (38%)


Yellow (82%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 62.346, 124.731 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 60, 62.346, 124.731 by changing the saturation by 10% instead.





 60, 62.346,  
124.731


 60, 62.346,  
124.731


 100, 62.346,  
124.731


 50, 62.346,  
124.731


 80, 62.346,  
124.731

 40, 62.346,  
124.731

 90, 62.346,  
124.731


 30, 62.346,  
124.731

 20, 62.346,  
124.731

 10, 62.346,  
124.731

 0, 62.346, 124.731

 60, 62.346,

 60, 62.346,

124.731

124.731

■ 60, 68.345,  
124.940

■ 61, 55.105,  
124.838

■ 59, 72.740,  
125.577

■ 61, 46.999,  
125.144

■ 59, 75.429,  
126.331

■ 62, 38.332,  
125.562

■ 63, 29.324,  
126.034

■ 63, 20.127,  
126.522

■ 64, 10.845,  
127.003

■ 65, 1.553, 127.505

■ 66, 7.698, 307.863

■ 67, 16.871,  
308.260

# Harmonies

# Complementary

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



60, 62.346, 124.731



32, 70.376, 311.268

# Rectangle

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



60, 62.346, 124.731



60, 62.346, 174.731



60, 62.346, 304.731



60, 62.346, 354.731

# Sweetspot

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



60, 62.346, 124.732



80, 25.263, 126.486



47, 44.297, 61.811



43, 17.102, 126.363



92, 0.011, 296.813



44, 0.006, 296.813





# Same Dimension

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



60, 62.346, 124.732



75, 86.415, 125.261



58, 71.181, 137.372



33, 5.221, 127.118



53, 69.619, 126.178



4, 6.883, 128.515



# Inverse Universe

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



32, 70.376, 311.268



35, 100.012, 311.451



40, 70.355, 326.158



31, 5.297, 307.937



20, 81.604, 311.178



1, 6.812, 306.680



# Previews

## White Background



This preview shows how the CIELCh color 60, 62.346, 124.731 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 60, 62.346, 124.731 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 60, 62.346, 124.731**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 60, 62.346, 124.731.



This preview shows how white text looks on a background with the CIELCh color 60, 62.346, 124.731.

# 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**  
60, 62.346, 124.731

**Protanopia**  
60, 54.070, 95.045

**Deuteranopia**  
60, 50.168, 81.075





**Tritanopia**  
60, 11.300, 235.812

# Trichromacy



**Original Color**  
60, 62.346, 124.731

**Protanomaly**  
59, 55.022, 107.259

**Deuteranomaly**  
59, 50.253, 100.150

**Tritanomaly**  
59, 23.700, 143.730

# Monochromacy



**Original Color**  
60, 62.346, 124.731

**Achromatopsia**  
54, 0.007, 296.813

**Achromatomaly**  
56, 24.987, 126.001

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 60, 62.346, 124.731 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(107, 159, 45)` looks like.

```
.text, #text, p{  
    color:rgb(107, 159, 45)  
}
```

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(107, 159, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 159, 45) }
```

## Border

The CSS property to change the border of an element to CIELCh 60, 62.346, 124.731 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(107, 159, 45) }
```

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

```
.border{ border-color:rgb(107, 159, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 159, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 159, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 159, 45);  
box-shadow:4px 4px 4px 4px rgb(107, 159,  
45) }
```

# Background

The CSS property to change the background color of an element to CIELCh 60, 62.346, 124.731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 159, 45) }
```

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

```
.background{ background-color: rgb(107,  
159, 45) }
```

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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