

# Converting Colors

CIELCh(68, 62.442, 126.396)

Have a look what the booklet for  
CIELCh(68, 62.442, 126.396)  
contains.

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**Color**

**CIELCh(68, 62.065, 126.405)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7DB545
RGB	125, 181, 69
RGB Percent	49%, 71%, 27%
CMY	0.5087, 0.2891, 0.7284
CMYK	0.31, 0.00, 0.62, 0.29
HSL	90°, 45%, 49%
HSV	90°, 62%, 71%
XYZ	26.1587, 37.9720, 11.6232
YIQ	151.4880, 2.5760, -46.7040

# Conversions

## Conversions Part 2

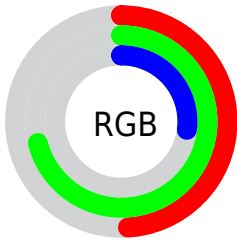
<b>Format</b>	<b>Color</b>
<b>RYB</b>	69, 181, 125
Decimal	8238405
CIELab	68.00, -36.83, 49.95
CIELCh	68, 62.065, 126.405
Yxy	37.9720, 0.3453, 0.5013
Android (android.graphics.Color)	4286428485 (0xFF7DB545)
YUV	151.4880, -40.6666, -23.2300
Hunter-Lab	61.6215, -32.0631, 31.9516

# Details

The CIELCh color **68, 62.065, 126.405** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **41, 68.076, 312.135**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 61.693, 126.339**, and **48, 62.225, 126.433** is the 20% darker color. If you saturate the color by 10%, you get **67, 70.158, 126.309**, and if you desaturate by 10%, it is **69, 52.970, 126.711**.

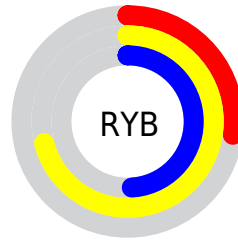
# Distribution



Red (49%)

Green (71%)

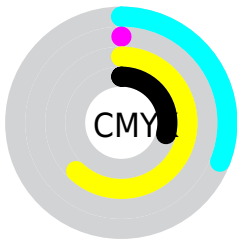
Blue (27%)



Red (27%)

Yellow (71%)

Blue (49%)

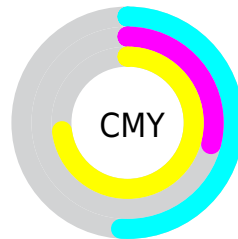


Cyan (31%)

Magenta (0%)

Yellow (62%)

Black (29%)



Cyan (51%)

Magenta (29%)


Yellow (73%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 62.065, 126.405 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 68, 62.065, 126.405 by changing the saturation by 10% instead.



 68, 62.065,  
126.405


 68, 62.065,  
126.405

 100, 62.065,  
126.405

 58, 62.065,  
126.405


 88, 62.065,  
126.405

 48, 62.065,  
126.405

 98, 62.065,  
126.405

 38, 62.065,  
126.405

 28, 62.065,  
126.405

 18, 62.065,  
126.405

 8, 62.065, 126.405

 0, 62.065, 126.405

68, 62.065,  
126.405

68, 62.065,  
126.405

67, 70.158,  
126.309

69, 52.970,  
126.711

67, 76.813,  
126.538

70, 43.226,  
127.131

66, 81.632,  
127.213

70, 33.090,  
127.602

66, 84.415,  
128.021

71, 22.740,  
128.085

72, 12.300,  
128.558

74, 1.857, 129.051

75, 8.528, 309.389

76, 18.811,  
309.770

■ 77, 28.961,  
310.111

# Harmonies

# Complementary

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



68, 62.065, 126.405



41, 68.076, 312.135

# Rectangle

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



68, 62.065, 126.405



68, 62.065, 176.405



68, 62.065, 306.405



68, 62.065, 356.405

# Sweetspot

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



68, 62.066, 126.406



90, 24.454, 128.204



57, 41.797, 66.094



48, 16.813, 128.069



96, 0.011, 296.813



49, 0.007, 296.813





# Same Dimension

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



68, 62.066, 126.406



85, 88.103, 126.344



66, 70.986, 138.818



38, 5.968, 128.671



57, 75.253, 127.826



8, 16.884, 133.180



# Inverse Universe

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



41, 68.076, 312.135



46, 98.616, 312.531



49, 70.303, 326.966



36, 6.049, 309.470



24, 86.140, 312.047



2, 15.953, 304.904



# Previews

## White Background



This preview shows how the CIELCh color 68, 62.065, 126.405 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 CIE LCh color 68, 62.065, 126.405 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 68, 62.065, 126.405

## Background



This preview shows how black text looks on a background with the CIELCh color 68, 62.065, 126.405.

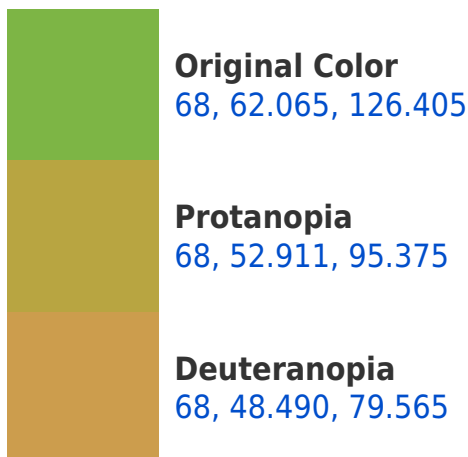


This preview shows how white text looks on a background with the CIELCh color 68, 62.065, 126.405.

# 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**  
68, 12.192, 234.903

# Trichromacy



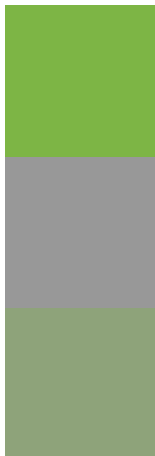
**Original Color**  
68, 62.065, 126.405

**Protanomaly**  
68, 53.885, 108.379

**Deuteranomaly**  
67, 48.646, 100.356

**Tritanomaly**  
68, 23.155, 148.269

# Monochromacy



**Original Color**  
68, 62.065, 126.405

**Achromatopsia**  
63, 0.008, 296.813

**Achromatomaly**  
64, 24.133, 128.366

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 68, 62.065, 126.405 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(125, 181, 69)` looks like.

```
.text, #text, p{  
    color:rgb(125, 181, 69)  
}
```

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(125, 181, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 181, 69) }
```

## Border

The CSS property to change the border of an element to CIELCh 68, 62.065, 126.405 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(125, 181, 69) }
```

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

```
.border{ border-color:rgb(125, 181, 69) }
```

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

Here you see how a box with a 4 pixel rgb(125, 181, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 181, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 181, 69);  
box-shadow:4px 4px 4px 4px rgb(125, 181,  
69) }
```

# Background

The CSS property to change the background color of an element to CIELCh 68, 62.065, 126.405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 181, 69) }
```

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

```
.background{ background-color: rgb(125,  
181, 69) }
```

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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