

# Converting Colors

CIE LCh(76, 69.100, 138.195)

Have a look what the booklet for  
CIELCh(76, 69.100, 138.195)  
contains.

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**Color**

**CIELCh(76, 69.467, 138.003)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6CD261
RGB	108, 210, 97
RGB Percent	42%, 82%, 38%
CMY	0.5783, 0.1782, 0.6212
CMYK	0.49, 0.00, 0.54, 0.18
HSL	114°, 55%, 60%
HSV	114°, 54%, 82%
XYZ	31.2035, 49.8872, 19.1939
YIQ	166.6200, -24.5190, -56.7670

# Conversions

## Conversions Part 2

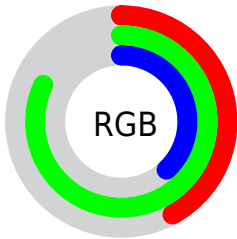
Format	Color
<a href="#">RYB</a>	<a href="#">97, 210, 199</a>
Decimal	<a href="#">7131745</a>
CIELab	<a href="#">76.00, -51.63, 46.48</a>
CIELCh	<a href="#">76, 69.467, 138.003</a>
Yxy	<a href="#">49.8872, 0.3111, 0.4975</a>
Android (android.graphics.Color)	<a href="#">4285321825 (0xFF6CD261)</a>
YUV	<a href="#">166.6200, -34.3227, -51.4097</a>
Hunter-Lab	<a href="#">70.6309, -44.7459, 33.3297</a>

# Details

The CIELCh color **76, 69.467, 138.003** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **57, 69.740, 324.236**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 62.250, 137.705**, and **56, 69.690, 137.917** is the 20% darker color. If you saturate the color by 10%, you get **75, 80.367, 137.135**, and if you desaturate by 10%, it is **77, 57.440, 138.874**.

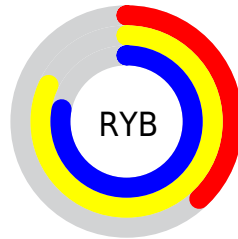
# Distribution



Red (42%)

Green (82%)

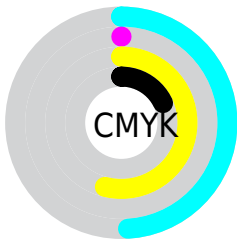
Blue (38%)



Red (38%)

Yellow (82%)

Blue (78%)

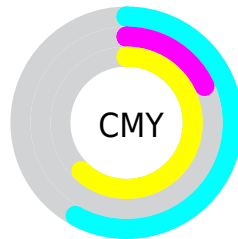


Cyan (49%)

Magenta (0%)

Yellow (54%)

Black (18%)



Cyan (58%)

Magenta (18%)


Yellow (62%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 69.467, 138.003 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 76, 69.467, 138.003 by changing the saturation by 10% instead.





 76, 69.467,  
138.003


 76, 69.467,  
138.003


 100, 69.467,  
138.003


 66, 69.467,  
138.003


 96, 69.467,  
138.003

 56, 69.467,  
138.003

 46, 69.467,  
138.003

 36, 69.467,  
138.003

 26, 69.467,  
138.003

 16, 69.467,  
138.003

 6, 69.467, 138.003

0, 69.467, 138.003

76, 69.467,  
138.003

76, 69.467,  
138.003

75, 80.367,  
137.135

77, 57.440,  
138.874

74, 89.623,  
136.367

78, 44.703,  
139.689

74, 96.678,  
135.831

80, 31.581,  
140.422

74, 101.106,  
135.643

81, 18.323,  
141.068

74, 102.735,  
135.618

83, 5.109, 141.654

85, 7.926, 322.048

87, 20.695,

322.468

89, 28.487,  
325.416

# Harmonies

# Complementary

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



76, 69.467, 138.003



57, 69.740, 324.236

# Rectangle

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



76, 69.467, 138.003



76, 69.467, 188.003



76, 69.467, 318.003



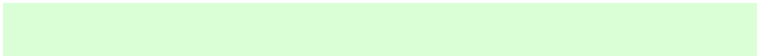
76, 69.467, 8.003

# Sweetspot

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



76, 69.468, 138.004



97, 24.745, 140.928



79, 52.418, 100.070



51, 16.718, 140.797



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



76, 69.468, 138.004



90, 95.313, 136.983



76, 53.195, 153.080



43, 7.444, 141.333



60, 87.166, 135.533



13, 29.633, 140.109



# Inverse Universe

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



57, 69.740, 324.236



64, 95.186, 324.561



57, 54.501, 343.710



41, 7.468, 322.238



37, 85.199, 324.497



5, 30.291, 324.230



# Previews

## White Background



This preview shows how the CIELCh color 76, 69.467, 138.003 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 76, 69.467, 138.003 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 76, 69.467, 138.003**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 76, 69.467, 138.003.

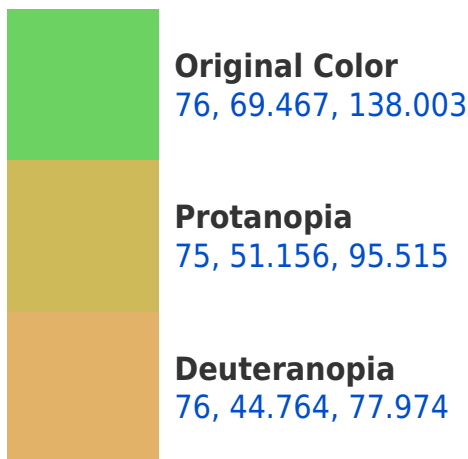


This preview shows how white text looks on a background with the CIELCh color 76, 69.467, 138.003.

# 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**  
76, 22.318, 220.914

# Trichromacy



**Original Color**  
76, 69.467, 138.003



**Protanomaly**  
75, 53.966, 116.420



**Deuteranomaly**  
75, 45.480, 108.487



**Tritanomaly**  
76, 32.569, 166.124

# Monochromacy



**Original Color**  
76, 69.467, 138.003



**Achromatopsia**  
68, 0.008, 296.813



**Achromatomaly**  
70, 26.527, 140.514

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 76, 69.467, 138.003 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(108, 210, 97)` looks like.

```
.text, #text, p{  
    color:rgb(108, 210, 97)  
}
```

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(108, 210, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 210, 97) }
```

## Border

The CSS property to change the border of an element to CIELCh 76, 69.467, 138.003 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(108, 210, 97) }
```

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

```
.border{ border-color:rgb(108, 210, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 210, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 210, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 210, 97);  
box-shadow:4px 4px 4px 4px rgb(108, 210,  
97) }
```

# Background

The CSS property to change the background color of an element to CIELCh 76, 69.467, 138.003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 210, 97) }
```

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

```
.background{ background-color: rgb(108,  
210, 97) }
```

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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