

# Converting Colors

CIELCh(76, 51.853, 123.123)

Have a look what the booklet for  
CIELCh(76, 51.853, 123.123)  
contains.

<b>CIELCh(76, 52.029, 122.962)</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(76, 52.029, 122.962)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A2C868
RGB	162, 200, 104
RGB Percent	64%, 78%, 41%
CMY	0.3654, 0.2164, 0.5928
CMYK	0.19, 0.00, 0.48, 0.22
HSL	84°, 47%, 60%
HSV	84°, 48%, 78%
XYZ	37.9694, 49.8872, 20.6817
YIQ	177.6940, 8.1680, -37.9120

# Conversions

## Conversions Part 2

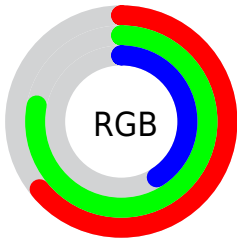
<b>Format</b>	<b>Color</b>
<b>RYB</b>	104, 200, 142
Decimal	10668136
CIELab	76.00, -28.31, 43.65
CIELCh	76, 52.029, 122.962
Yxy	49.8872, 0.3498, 0.4596
Android (android.graphics.Color)	4288858216 (0xFFA2C868)
YUV	177.6940, -36.3311, -13.7636
Hunter-Lab	70.6309, -27.6469, 32.0807

# Details

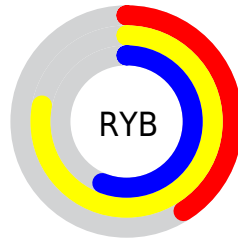
The CIELCh color **76, 52.029, 122.962** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **52, 56.881, 308.291**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 51.020, 122.665**, and **56, 52.220, 122.998** is the 20% darker color. If you saturate the color by 10%, you get **75, 61.824, 122.603**, and if you desaturate by 10%, it is **77, 41.631, 123.425**.

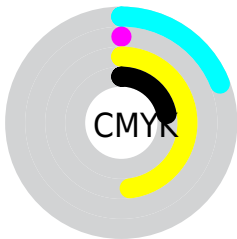
# Distribution



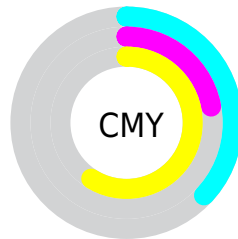
- Red (64%)
- Green (78%)
- Blue (41%)



- Red (41%)
- Yellow (78%)
- Blue (56%)



- Cyan (19%)
- Magenta (0%)
- Yellow (48%)
- Black (22%)




- Cyan (37%)
- Magenta (22%)
- Yellow (59%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 52.029, 122.962 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, 52.029, 122.962 by changing the saturation by 10% instead.





 76, 52.029,  
122.962


 76, 52.029,  
122.962


 100, 52.029,  
122.962


 66, 52.029,  
122.962


 96, 52.029,  
122.962

 56, 52.029,  
122.962

 46, 52.029,  
122.962

 36, 52.029,  
122.962

 26, 52.029,  
122.962

 16, 52.029,  
122.962

 6, 52.029, 122.962

0, 52.029, 122.962

76, 52.029,  
122.962

76, 52.029,  
122.962

75, 61.824,  
122.603

77, 41.631,  
123.425

75, 70.665,  
122.426

78, 30.869,  
123.934

74, 78.099,  
122.541

79, 19.910,  
124.455

74, 83.657,  
123.070

80, 8.869, 124.969

73, 87.187,  
124.060

81, 2.177, 305.408

82, 13.173,  
305.895

73, 87.788,  
124.265

83, 24.078,

306.320

■ 84, 30.475,  
308.686

■ 85, 31.299,  
313.488

# Harmonies

# Complementary

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



76, 52.029, 122.962



52, 56.881, 308.291

# Rectangle

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



76, 52.029, 122.962



76, 52.029, 172.962



76, 52.029, 302.962



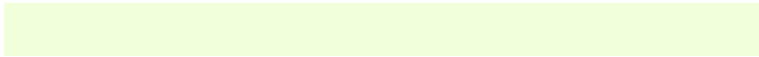
76, 52.029, 352.962

# Sweetspot

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



76, 52.030, 122.964



98, 18.843, 124.653



64, 33.872, 57.521



52, 13.007, 124.540



0, 0.000, 0.000



53, 0.007, 296.813



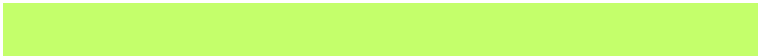


# Same Dimension

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



76, 52.030, 122.964



94, 75.182, 122.581



73, 59.809, 138.080



42, 6.237, 124.901



61, 75.392, 124.027



12, 22.032, 127.223



# Inverse Universe

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



52, 56.881, 308.291



58, 84.233, 309.031



57, 60.273, 323.417



39, 6.339, 305.820



23, 91.233, 309.893



2, 22.020, 302.392



# Previews

## White Background



This preview shows how the CIELCh color 76, 52.029, 122.962 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 76, 52.029, 122.962 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, 52.029, 122.962**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 76, 52.029, 122.962.



This preview shows how white text looks on a background with the CIELCh color 76, 52.029, 122.962.

# 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**  
76, 52.029, 122.962

**Protanopia**  
76, 46.794, 95.671

**Deuteranopia**  
76, 42.926, 76.986





**Tritanopia**  
76, 9.347, 259.243

# Trichromacy



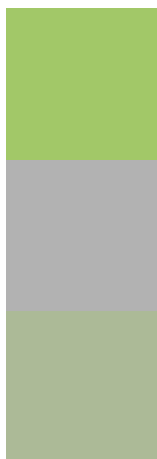
**Original Color**  
76, 52.029, 122.962

**Protanomaly**  
76, 47.285, 106.724

**Deuteranomaly**  
75, 42.276, 96.266

**Tritanomaly**  
76, 16.042, 141.588

# Monochromacy



**Original Color**  
76, 52.029, 122.962

**Achromatopsia**  
73, 0.009, 296.813

**Achromatomaly**  
74, 19.611, 124.572

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 76, 52.029, 122.962 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(162, 200, 104)` looks like.

```
.text, #text, p{  
    color:rgb(162, 200, 104)  
}
```

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(162, 200, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 200, 104) }
```

## Border

The CSS property to change the border of an element to CIELCh 76, 52.029, 122.962 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(162, 200, 104) }
```

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

```
.border{ border-color:rgb(162, 200, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 200, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 200, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 200, 104);  
box-shadow:4px 4px 4px 4px rgb(162, 200,  
104) }
```

# Background

The CSS property to change the background color of an element to CIELCh 76, 52.029, 122.962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 200, 104) }
```

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

```
.background{ background-color: rgb(162,  
200, 104) }
```

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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