

# Converting Colors

CIELCh(70, 82.284, 138.237)

Have a look what the booklet for  
CIELCh(70, 82.284, 138.237)  
contains.

<b>CIELCh(70, 82.468, 138.260)</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(70, 82.468, 138.260)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3DC43D
RGB	61, 196, 61
RGB Percent	24%, 77%, 24%
CMY	0.7614, 0.2318, 0.7612
CMYK	0.69, 0.00, 0.69, 0.23
HSL	120°, 53%, 50%
HSV	120°, 69%, 77%
XYZ	22.4675, 40.7494, 11.0797
YIQ	140.2450, -37.1250, -70.6050

# Conversions

## Conversions Part 2

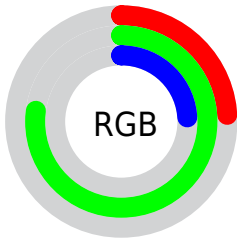
<b>Format</b>	<b>Color</b>
<b>RYB</b>	61, 196, 196
Decimal	4047933
CIELab	70.00, -61.54, 54.90
CIELCh	70, 82.468, 138.260
Yxy	40.7494, 0.3024, 0.5485
Android (android.graphics.Color)	4282238013 (0xFF3DC43D)
YUV	140.2450, -39.0678, -69.4979
Hunter-Lab	63.8353, -48.8869, 34.3939

# Details

The CIELCh color **70, 82.468, 138.260** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **51, 81.094, 327.740**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 82.601, 138.246**, and **51, 77.067, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **70, 90.055, 137.245**, and if you desaturate by 10%, it is **71, 72.914, 139.387**.

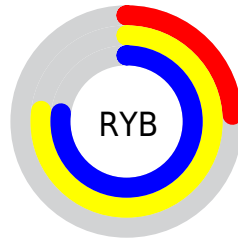
# Distribution



Red (24%)

Green (77%)

Blue (24%)



Red (24%)

Yellow (77%)

Blue (77%)

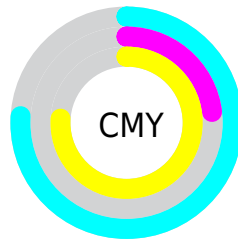


Cyan (69%)

Magenta (0%)

Yellow (69%)

Black (23%)



Cyan (76%)

Magenta (23%)


Yellow (76%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 82.468, 138.260 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 70, 82.468, 138.260 by changing the saturation by 10% instead.





 70, 82.468,  
138.260


 70, 82.468,  
138.260


 100, 82.468,  
138.260


 60, 82.468,  
138.260


 90, 82.468,  
138.260

 50, 82.468,  
138.260

 40, 82.468,  
138.260

 30, 82.468,  
138.260

 20, 82.468,  
138.260

 10, 82.468,  
138.260

 0, 82.468, 138.260

70, 82.468,  
138.260

70, 82.468,  
138.260

70, 90.055,  
137.245

71, 72.914,  
139.387

69, 95.209,  
136.487

72, 61.907,  
140.503

69, 97.960,  
136.058

73, 49.911,  
141.538

69, 98.208,  
136.018

74, 37.312,  
142.459

76, 24.418,  
143.259

77, 11.468,  
143.951

79, 1.362, 324.320

81, 13.949,  
324.976

■ 84, 26.212,  
325.397

# Harmonies

# Complementary

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



70, 82.468, 138.260



51, 81.094, 327.740

# Rectangle

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



70, 82.468, 138.260



70, 82.468, 188.260



70, 82.468, 318.260



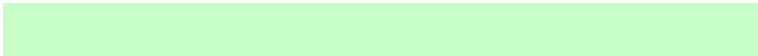
70, 82.468, 8.260

# Sweetspot

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



70, 82.468, 138.261



95, 33.558, 143.078



77, 66.248, 104.019



50, 22.717, 142.858



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



70, 82.468, 138.261



88, 113.599, 136.797



71, 56.851, 155.434



40, 7.213, 143.924



57, 84.781, 136.019



10, 24.257, 144.101



# Inverse Universe

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



51, 81.094, 327.740



62, 110.408, 328.090



48, 59.617, 352.400



38, 7.224, 324.938



38, 81.787, 328.245



4, 24.207, 326.369



# Previews

## White Background



This preview shows how the CIELCh color 70, 82.468, 138.260 looks on a white background.

## Color Contrast Check

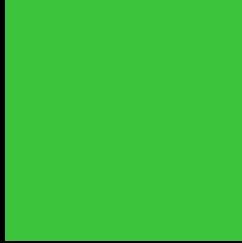
Large Text (above 18pt) WCAG AA × Fail

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 70, 82.468, 138.260 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 70, 82.468, 138.260**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 70, 82.468, 138.260.



This preview shows how white text looks on a background with the CIELCh color 70, 82.468, 138.260.

# 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

70, 82.468, 138.260

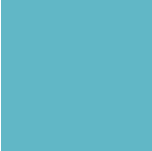
### Protanopia

69, 59.528, 95.402

### Deuteranopia

69, 52.306, 80.165





**Tritanopia**  
70, 26.848, 215.533

# Trichromacy



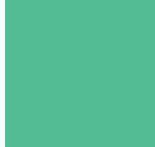
**Original Color**  
70, 82.468, 138.260



**Protanomaly**  
68, 63.254, 118.227



**Deuteranomaly**  
68, 54.771, 112.878



**Tritanomaly**  
69, 41.309, 164.202

# Monochromacy



**Original Color**  
70, 82.468, 138.260



**Achromatopsia**  
58, 0.007, 296.813



**Achromatomaly**  
61, 33.480, 142.344

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 70, 82.468, 138.260 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(61, 196, 61)` looks like.

```
.text, #text, p{  
    color:rgb(61, 196, 61)  
}
```

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(61, 196, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 196, 61) }
```

## Border

The CSS property to change the border of an element to CIELCh 70, 82.468, 138.260 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(61, 196, 61) }
```

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

```
.border{ border-color:rgb(61, 196, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 196, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 196, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 196, 61);  
box-shadow:4px 4px 4px 4px rgb(61, 196,  
61) }
```

# Background

The CSS property to change the background color of an element to CIELCh 70, 82.468, 138.260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 196, 61) }
```

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

```
.background{ background-color: rgb(61, 196,  
61) }
```

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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