

Converting Colors

CIELCh(68, 66.238, 137.776)

Have a look what the booklet for
CIELCh(68, 66.238, 137.776)
contains.

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Color

CIELCh(68, 66.169, 137.629)

Conversions

Conversions Part 1

Format	Color
Hex	5BBA50
RGB	91, 186, 80
RGB Percent	36%, 73%, 31%
CMY	0.6427, 0.2702, 0.6859
CMYK	0.51, 0.00, 0.57, 0.27
HSL	114°, 43%, 52%
HSV	114°, 57%, 73%
XYZ	23.3574, 37.9720, 13.7063
YIQ	145.5110, -22.5940, -53.1060

Conversions

Conversions Part 2

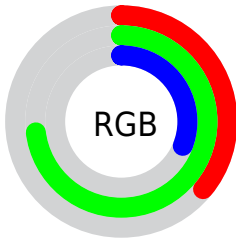
Format	Color
RYB	80, 186, 175
Decimal	6011472
CIELab	68.00, -48.89, 44.59
CIELCh	68, 66.169, 137.629
Yxy	37.9720, 0.3113, 0.5061
Android (android.graphics.Color)	4284201552 (0xFF5BBA50)
YUV	145.5110, -32.2969, -47.8061
Hunter-Lab	61.6215, -40.1776, 29.9473

Details

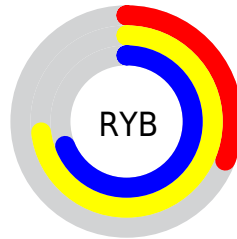
The CIELCh color **68, 66.169, 137.629** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **50, 66.436, 324.106**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 66.274, 137.572**, and **48, 66.242, 137.691** is the 20% darker color. If you saturate the color by 10%, you get **67, 75.730, 136.801**, and if you desaturate by 10%, it is **69, 55.490, 138.485**.

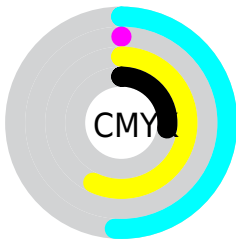
Distribution



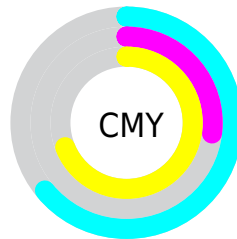
- Red (36%)
- Green (73%)
- Blue (31%)



- Red (31%)
- Yellow (73%)
- Blue (69%)



- Cyan (51%)
- Magenta (0%)
- Yellow (57%)
- Black (27%)




- Cyan (64%)
- Magenta (27%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 66.169, 137.629 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, 66.169, 137.629 by changing the saturation by 10% instead.

 68, 66.169,
137.629

 68, 66.169,
137.629


 100, 66.169,
137.629


 58, 66.169,
137.629


 88, 66.169,
137.629

 48, 66.169,
137.629

 98, 66.169,
137.629

 38, 66.169,
137.629

 28, 66.169,
137.629

 18, 66.169,
137.629

 8, 66.169, 137.629

 0, 66.169, 137.629

■ 68, 66.169,
137.629

■ 68, 66.169,
137.629

■ 67, 75.730,
136.801

■ 69, 55.490,
138.485

■ 67, 83.694,
136.105

■ 70, 44.086,
139.301

■ 66, 89.570,
135.673

■ 71, 32.267,
140.043

■ 66, 93.100,
135.578

■ 73, 20.271,
140.701

■ 66, 93.911,
135.532

■ 74, 8.274, 141.285

■ 76, 3.596, 321.684

■ 78, 15.249,
322.147

■ 80, 26.627,
322.506

■ 82, 37.692,
322.809

Harmonies

Complementary

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



68, 66.169, 137.629



50, 66.436, 324.106

Rectangle

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



68, 66.169, 137.629



68, 66.169, 187.629



68, 66.169, 317.629



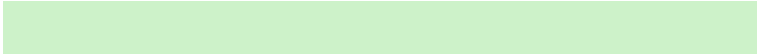
68, 66.169, 7.629

Sweetspot

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



68, 66.170, 137.630



92, 25.173, 140.682



70, 49.387, 98.850



49, 16.985, 140.555



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



68, 66.170, 137.630



85, 94.580, 136.635



68, 51.491, 151.981



38, 6.671, 141.151



56, 82.160, 135.449



8, 18.440, 142.388

Inverse Universe

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



50, 66.436, 324.106



60, 94.404, 324.395



50, 52.451, 343.125



36, 6.694, 322.032



34, 80.446, 324.262



3, 17.906, 320.334

Previews

White Background



This preview shows how the CIELCh color 68, 66.169, 137.629 looks on a white background.

Color Contrast Check

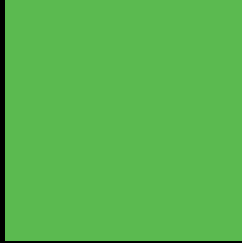
Large Text (above 18pt) WCAG AA × Fail

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 68, 66.169, 137.629 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, 66.169, 137.629

Background



This preview shows how black text looks on a background with the CIELCh color 68, 66.169, 137.629.



This preview shows how white text looks on a background with the CIELCh color 68, 66.169, 137.629.

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
68, 66.169, 137.629

Protanopia
68, 49.241, 95.649

Deuteranopia
68, 42.985, 78.259

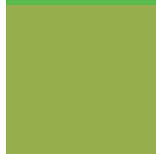


Tritanopia
68, 21.123, 219.537

Trichromacy



Original Color
68, 66.169, 137.629



Protanomaly
67, 51.641, 116.045



Deuteranomaly
67, 44.174, 108.944



Tritanomaly
68, 31.186, 164.860

Monochromacy



Original Color
68, 66.169, 137.629



Achromatopsia
61, 0.008, 296.813



Achromatomaly
63, 25.773, 140.283

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 66.169, 137.629 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(91, 186, 80)` looks like.

```
.text, #text, p{  
    color:rgb(91, 186, 80)  
}
```

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(91, 186, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 186, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 66.169, 137.629 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(91, 186, 80) }
```

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

```
.border{ border-color:rgb(91, 186, 80) }
```

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

Here you see how a box with a 4 pixel rgb(91, 186, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 186, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 186, 80);  
box-shadow:4px 4px 4px 4px rgb(91, 186,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 66.169, 137.629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 186, 80) }
```

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

```
.background{ background-color: rgb(91, 186,  
80) }
```

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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