

Converting Colors

CIELCh(68, 71.230, 135.044)

Have a look what the booklet for
CIELCh(68, 71.230, 135.044)
contains.

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Color

CIELCh(68, 71.649, 135.017)

Conversions

Conversions Part 1

Format	Color
Hex	5BBB43
RGB	91, 187, 67
RGB Percent	36%, 73%, 26%
CMY	0.6448, 0.2682, 0.7387
CMYK	0.51, 0.00, 0.64, 0.27
HSL	108°, 47%, 50%
HSV	108°, 64%, 73%
XYZ	22.9585, 37.9720, 11.3693
YIQ	144.6160, -18.6960, -57.6720

Conversions

Conversions Part 2

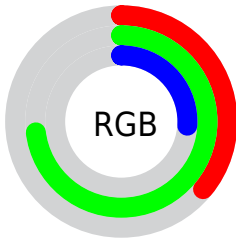
Format	Color
RYB	67, 187, 163
Decimal	6011715
CIELab	68.00, -50.68, 50.65
CIELCh	68, 71.649, 135.017
Yxy	37.9720, 0.3175, 0.5252
Android (android.graphics.Color)	4284201795 (0xFF5BBB43)
YUV	144.6160, -38.2647, -47.0212
Hunter-Lab	61.6215, -41.3331, 32.1959

Details

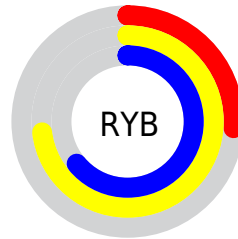
The CIELCh color **68, 71.649, 135.017** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **46, 73.017, 321.290**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 71.695, 135.150**, and **48, 71.687, 135.069** is the 20% darker color. If you saturate the color by 10%, you get **67, 80.139, 134.539**, and if you desaturate by 10%, it is **69, 61.827, 135.644**.

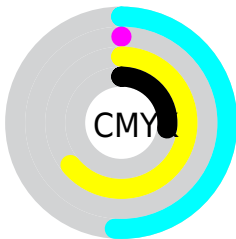
Distribution



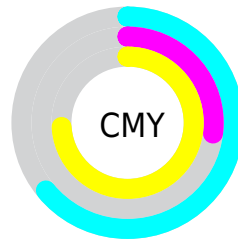
- Red (36%)
- Green (73%)
- Blue (26%)



- Red (26%)
- Yellow (73%)
- Blue (64%)



- Cyan (51%)
- Magenta (0%)
- Yellow (64%)
- Black (27%)





- Cyan (64%)
- Magenta (27%)
- Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 71.649, 135.017 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, 71.649, 135.017 by changing the saturation by 10% instead.


 68, 71.649,
135.017


 68, 71.649,
135.017


 100, 71.649,
135.017


 58, 71.649,
135.017


 88, 71.649,
135.017

 48, 71.649,
135.017

 98, 71.649,
135.017

 38, 71.649,
135.017

 28, 71.649,
135.017

 18, 71.649,
135.017

 8, 71.649, 135.017

 0, 71.649, 135.017

■ 68, 71.649,
135.017

■ 68, 71.649,
135.017

■ 67, 80.139,
134.539

■ 69, 61.827,
135.644

■ 67, 86.800,
134.333

■ 70, 51.109,
136.319

■ 66, 91.235,
134.506

■ 71, 39.838,
136.982

■ 66, 93.012,
134.663

■ 72, 28.271,
137.599

■ 74, 16.599,
138.157

■ 75, 4.958, 138.672

■ 77, 6.550, 319.026

■ 78, 17.858,
319.411

■ 80, 28.920,
319.728

Harmonies

Complementary

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



68, 71.649, 135.017



46, 73.017, 321.290

Rectangle

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



68, 71.649, 135.017



68, 71.649, 185.017



68, 71.649, 315.017



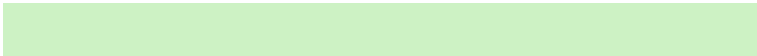
68, 71.649, 5.017

Sweetspot

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



68, 71.650, 135.018



92, 27.311, 137.885



67, 51.674, 92.713



49, 18.959, 137.722



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, 71.650, 135.018



85, 100.983, 134.418



68, 61.344, 147.567



39, 6.623, 138.412



57, 82.153, 134.543



9, 20.652, 140.468

Inverse Universe

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



46, 73.017, 321.290



54, 102.400, 321.366



48, 60.880, 339.593



37, 6.660, 319.213



32, 82.357, 320.799



3, 19.580, 316.752

Previews

White Background



This preview shows how the CIELCh color 68, 71.649, 135.017 looks on a white background.

Color Contrast Check

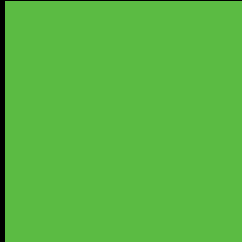
Large Text (above 18pt) WCAG AA × Fail

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, 71.649, 135.017 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, 71.649, 135.017

Background



This preview shows how black text looks on a background with the CIELCh color 68, 71.649, 135.017.



This preview shows how white text looks on a background with the CIELCh color 68, 71.649, 135.017.

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, 71.649, 135.017

Protanopia
68, 54.624, 95.464

Deuteranopia
68, 48.721, 80.208



Tritanopia
68, 20.871, 219.828

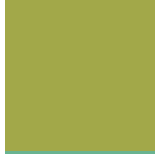
Trichromacy



Original Color
68, 71.649, 135.017



Protanomaly
67, 57.269, 114.485



Deuteranomaly
67, 49.860, 108.002



Tritanomaly
67, 32.974, 161.016

Monochromacy



Original Color
68, 71.649, 135.017



Achromatopsia
60, 0.008, 296.813



Achromatomaly
62, 27.535, 137.180

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 71.649, 135.017 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, 187, 67)` looks like.

```
.text, #text, p{  
    color:rgb(91, 187, 67)  
}
```

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, 187, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 187, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 71.649, 135.017 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, 187, 67) }
```

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

```
.border{ border-color:rgb(91, 187, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 187, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 187, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 187, 67);  
box-shadow:4px 4px 4px 4px rgb(91, 187,  
67) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 71.649, 135.017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 187, 67) }
```

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

```
.background{ background-color: rgb(91, 187,  
67) }
```

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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