

Converting Colors

CIELCh(75, 68.517, 136.167)

Have a look what the booklet for
CIELCh(75, 68.517, 136.167)
contains.

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Color

CIELCh(75, 68.602, 136.133)

Conversions

Conversions Part 1

Format	Color
Hex	70CE5C
RGB	112, 206, 92
RGB Percent	44%, 81%, 36%
CMY	0.5614, 0.1927, 0.6397
CMYK	0.46, 0.00, 0.55, 0.19
HSL	109°, 54%, 58%
HSV	109°, 55%, 81%
XYZ	30.6256, 48.2781, 17.7992
YIQ	164.8980, -19.4300, -55.3820

Conversions

Conversions Part 2

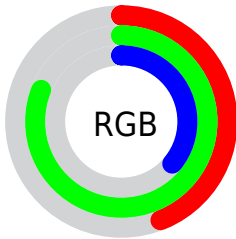
Format	Color
RYB	92, 206, 186
Decimal	7392860
CIELab	75.00, -49.46, 47.54
CIELCh	75, 68.602, 136.133
Yxy	48.2781, 0.3167, 0.4992
Android (android.graphics.Color)	4285582940 (0xFF70CE5C)
YUV	164.8980, -35.9387, -46.3915
Hunter-Lab	69.4824, -42.9172, 33.4495

Details

The CIELCh color **75, 68.602, 136.133** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **55, 69.672, 321.853**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 63.796, 135.848**, and **55, 68.562, 136.178** is the 20% darker color. If you saturate the color by 10%, you get **74, 79.094, 135.465**, and if you desaturate by 10%, it is **76, 57.044, 136.854**.

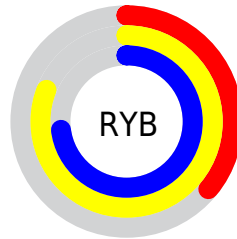
Distribution



Red (44%)

Green (81%)

Blue (36%)



Red (36%)

Yellow (81%)

Blue (73%)

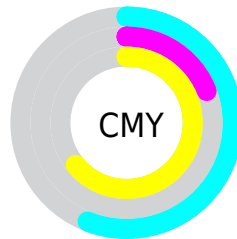


Cyan (46%)

Magenta (0%)

Yellow (55%)

Black (19%)



Cyan (56%)


Magenta (19%)


Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 68.602, 136.133 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 75, 68.602, 136.133 by changing the saturation by 10% instead.


 75, 68.602,
136.133

 75, 68.602,
136.133


 100, 68.602,
136.133


 65, 68.602,
136.133


 95, 68.602,
136.133

 55, 68.602,
136.133

 45, 68.602,
136.133

 35, 68.602,
136.133

 25, 68.602,
136.133

 15, 68.602,
136.133

 5, 68.602, 136.133

0, 68.602, 136.133

75, 68.602,
136.133

75, 68.602,
136.133

74, 79.094,
135.465

76, 57.044,
136.854

73, 88.017,
134.952

77, 44.817,
137.558

73, 94.828,
134.725

79, 32.223,
138.210

73, 99.137,
134.882

80, 19.486,
138.798

73, 100.520,
134.989

82, 6.770, 139.331

84, 5.806, 319.704

86, 18.160,

320.110

■ 88, 29.541,
321.201

■ 88, 30.814,
325.497

Harmonies

Complementary

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



75, 68.602, 136.133



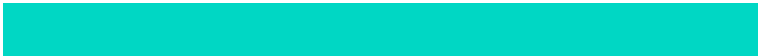
55, 69.672, 321.853

Rectangle

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



75, 68.602, 136.133



75, 68.602, 186.133



75, 68.602, 316.133



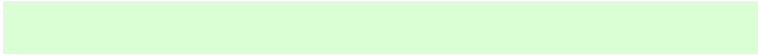
75, 68.602, 6.133

Sweetspot

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



75, 68.603, 136.134



97, 25.654, 138.695



75, 49.443, 94.885



51, 17.169, 138.578



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 68.603, 136.134



90, 94.593, 135.378



75, 57.508, 149.466



42, 7.117, 139.120



59, 85.413, 134.857



12, 27.239, 139.377

Inverse Universe

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



55, 69.672, 321.853



62, 95.826, 322.099



56, 57.866, 339.513



40, 7.152, 319.948



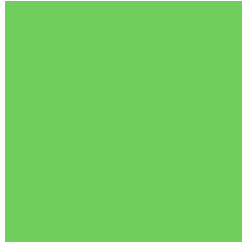
34, 84.995, 321.631



4, 27.230, 320.471

Previews

White Background



This preview shows how the CIELCh color 75, 68.602, 136.133 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 75, 68.602, 136.133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

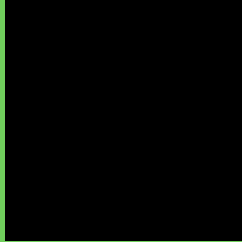
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 68.602, 136.133

Background



This preview shows how black text looks on a background with the CIELCh color 75, 68.602, 136.133.



This preview shows how white text looks on a background with the CIELCh color 75, 68.602, 136.133.

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](#).

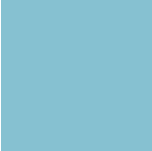
Dichromacy



Original Color
75, 68.602, 136.133

Protanopia
75, 52.050, 95.997

Deuteranopia
74, 45.823, 78.327



Tritanopia
75, 20.574, 223.176

Trichromacy



Original Color
75, 68.602, 136.133



Protanomaly
74, 54.697, 114.864



Deuteranomaly
74, 46.505, 107.242



Tritanomaly
75, 30.968, 163.165

Monochromacy



Original Color
75, 68.602, 136.133



Achromatopsia
68, 0.008, 296.813



Achromatomaly
70, 26.439, 137.920

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 68.602, 136.133 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(112, 206, 92)` looks like.

```
.text, #text, p{  
    color:rgb(112, 206, 92)  
}
```

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(112, 206, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 206, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 68.602, 136.133 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(112, 206, 92) }
```

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

```
.border{ border-color:rgb(112, 206, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 206, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 206, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 206, 92);  
box-shadow:4px 4px 4px 4px rgb(112, 206,  
92) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 68.602, 136.133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 206, 92) }
```

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

```
.background{ background-color: rgb(112,  
206, 92) }
```

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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