

Converting Colors

CIELCh(75, 75.300, 135.588)

Have a look what the booklet for
CIELCh(75, 75.300, 135.588)
contains.

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Color

CIELCh(75, 75.249, 135.590)

Conversions

Conversions Part 1

Format	Color
Hex	67CF50
RGB	103, 207, 80
RGB Percent	40%, 81%, 31%
CMY	0.5947, 0.1869, 0.6850
CMYK	0.50, 0.00, 0.61, 0.19
HSL	109°, 57%, 56%
HSV	109°, 61%, 81%
XYZ	29.4887, 48.2781, 15.4153
YIQ	161.4260, -21.2170, -61.5450

Conversions

Conversions Part 2

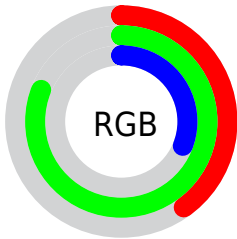
Format	Color
RYB	80, 207, 184
Decimal	6803280
CIELab	75.00, -53.75, 52.66
CIElCh	75, 75.249, 135.590
Yxy	48.2781, 0.3165, 0.5181
Android (android.graphics.Color)	4284993360 (0xFF67CF50)
YUV	161.4260, -40.1430, -51.2396
Hunter-Lab	69.4824, -45.8381, 35.4837

Details

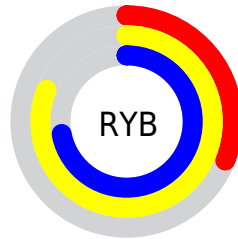
The CIELCh color **75, 75.249, 135.590** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **52, 76.442, 321.813**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 69.741, 135.431**, and **55, 75.472, 135.620** is the 20% darker color. If you saturate the color by 10%, you get **74, 84.932, 135.014**, and if you desaturate by 10%, it is **76, 64.214, 136.279**.

Distribution



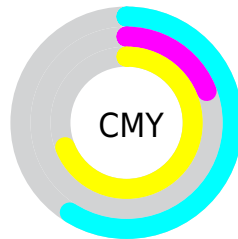
- Red (40%)
- Green (81%)
- Blue (31%)



- Red (31%)
- Yellow (81%)
- Blue (72%)



- Cyan (50%)
- Magenta (0%)
- Yellow (61%)
- Black (19%)





- Cyan (59%)
- Magenta (19%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 75.249, 135.590 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, 75.249, 135.590 by changing the saturation by 10% instead.


 75, 75.249,
135.590


 75, 75.249,
135.590


 100, 75.249,
135.590


 65, 75.249,
135.590


 95, 75.249,
135.590

 55, 75.249,
135.590

 45, 75.249,
135.590

 35, 75.249,
135.590

 25, 75.249,
135.590

 15, 75.249,
135.590

 5, 75.249, 135.590

0, 75.249, 135.590

75, 75.249,
135.590

75, 75.249,
135.590

74, 84.932,
135.014

76, 64.214,
136.279

74, 92.719,
134.673

77, 52.288,
136.989

73, 98.118,
134.688

78, 39.828,
137.668

73, 100.984,
134.931

80, 27.101,
138.289

81, 14.306,
138.846

83, 1.585, 139.449

■ 85, 10.959,
319.706

■ 87, 23.257,
320.072

■ 89, 29.881,
325.465

Harmonies

Complementary

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



75, 75.249, 135.590



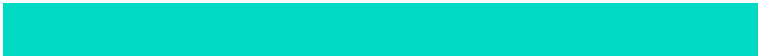
52, 76.442, 321.813

Rectangle

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



75, 75.249, 135.590



75, 75.249, 185.590



75, 75.249, 315.590



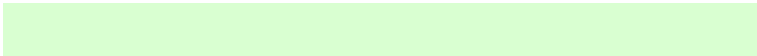
75, 75.249, 5.590

Sweetspot

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



75, 75.250, 135.591



96, 27.120, 138.465



75, 54.560, 94.165



51, 18.857, 138.295



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, 75.250, 135.591



89, 102.859, 134.856



75, 63.221, 148.591



43, 7.250, 138.943



60, 86.318, 134.803



13, 28.885, 138.319

Inverse Universe

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



52, 76.442, 321.813



58, 103.968, 321.964



54, 63.175, 340.154



41, 7.287, 319.769



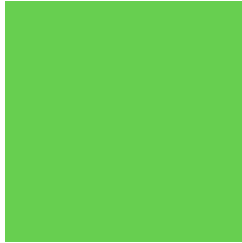
34, 86.030, 321.409



4, 29.502, 320.913

Previews

White Background



This preview shows how the CIELCh color 75, 75.249, 135.590 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, 75.249, 135.590 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, 75.249, 135.590

Background



This preview shows how black text looks on a background with the CIELCh color 75, 75.249, 135.590.



This preview shows how white text looks on a background with the CIELCh color 75, 75.249, 135.590.

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, 75.249, 135.590

Protanopia

75, 57.441, 95.826

Deuteranopia

75, 50.804, 79.392

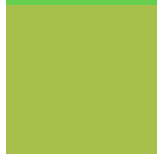


Tritanopia
75, 22.079, 221.251

Trichromacy



Original Color
75, 75.249, 135.590



Protanomaly
74, 59.717, 114.879



Deuteranomaly
74, 52.188, 107.973



Tritanomaly
74, 34.095, 162.128

Monochromacy



Original Color
75, 75.249, 135.590



Achromatopsia
67, 0.008, 296.813



Achromatomaly
69, 28.973, 137.626

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 75.249, 135.590 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(103, 207, 80)` looks like.

```
.text, #text, p{  
    color:rgb(103, 207, 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(103, 207, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 207, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 75.249, 135.590 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(103, 207, 80) }
```

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

```
.border{ border-color:rgb(103, 207, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 207, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 207, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 207, 80);  
box-shadow:4px 4px 4px 4px rgb(103, 207,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 75.249, 135.590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 207, 80) }
```

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

```
.background{ background-color: rgb(103,  
207, 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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