

Converting Colors

CIELCh(66, 85.601, 129.509)

Have a look what the booklet for
CIELCh(66, 85.601, 129.509)
contains.

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Color

CIELCh(66, 85.533, 129.531)

Conversions

Conversions Part 1

Format	Color
Hex	53B603
RGB	83, 182, 3
RGB Percent	33%, 71%, 1%
CMY	0.6743, 0.2861, 0.9877
CMYK	0.54, 0.00, 0.98, 0.29
HSL	93°, 97%, 36%
HSV	93°, 98%, 71%
XYZ	20.3269, 35.3238, 5.8364
YIQ	131.9930, -1.5450, -76.6570

Conversions

Conversions Part 2

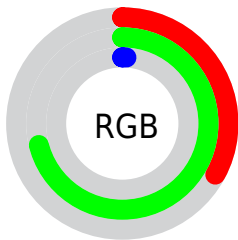
Format	Color
RYB	3, 182, 102
Decimal	5486083
CIELab	66.00, -54.44, 65.97
CIELCh	66, 85.533, 129.531
Yxy	35.3238, 0.3306, 0.5745
Android (android.graphics.Color)	4283676163 (0xFF53B603)
YUV	131.9930, -63.5935, -42.9669
Hunter-Lab	59.4338, -42.9605, 35.7814

Details

The CIELCh color **66, 85.533, 129.531** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **30, 95.066, 313.279**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **86, 85.615, 129.471**, and **46, 71.852, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **66, 86.119, 129.681**, and if you desaturate by 10%, it is **66, 81.749, 128.643**.

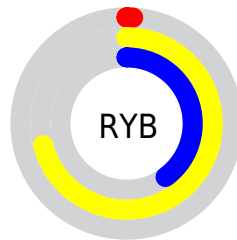
Distribution



Red (33%)

Green (71%)

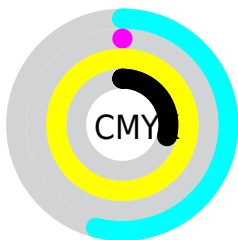
Blue (1%)



Red (1%)

Yellow (71%)

Blue (40%)

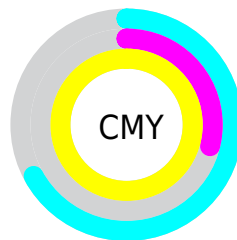


Cyan (54%)

Magenta (0%)

Yellow (98%)

Black (29%)



Cyan (67%)


Magenta (29%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 85.533, 129.531 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 66, 85.533, 129.531 by changing the saturation by 10% instead.


 66, 85.533,
129.531


 66, 85.533,
129.531


 100, 85.533,
129.531


 56, 85.533,
129.531


 86, 85.533,
129.531

 46, 85.533,
129.531

 96, 85.533,
129.531

 36, 85.533,
129.531

 26, 85.533,
129.531

 16, 85.533,
129.531

 6, 85.533, 129.531

 0, 85.533, 129.531

■ 66, 85.533,
129.531

■ 66, 85.533,
129.531

■ 66, 86.119,
129.681

■ 66, 81.749,
128.643

■ 67, 76.112,
128.179

■ 68, 68.738,
128.115

■ 68, 60.066,
128.328

■ 69, 50.515,
128.702

■ 70, 40.411,
129.157

■ 71, 29.984,
129.639

■ 72, 19.398,

130.117

■ 73, 8.767, 130.576

Harmonies

Complementary

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



66, 85.533, 129.531



30, 95.066, 313.279

Rectangle

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



66, 85.533, 129.531



66, 85.533, 179.531



66, 85.533, 309.531



66, 85.533, 359.531

Sweetspot

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



66, 85.533, 129.532



90, 38.110, 129.580



51, 64.279, 65.315



48, 26.321, 129.374



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



66, 85.533, 129.532



84, 105.286, 129.949



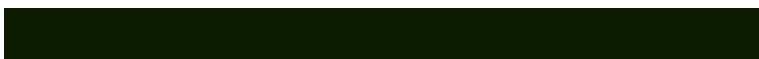
65, 91.671, 136.493



38, 6.045, 130.527



57, 76.517, 129.486



8, 17.101, 134.717

Inverse Universe

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



30, 95.066, 313.279



40, 116.945, 313.001



43, 85.999, 330.280



36, 6.118, 311.293



25, 85.170, 313.327



2, 16.103, 306.738

Previews

White Background



This preview shows how the CIELCh color 66, 85.533, 129.531 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 66, 85.533, 129.531 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 66, 85.533, 129.531

Background



This preview shows how black text looks on a background with the CIELCh color 66, 85.533, 129.531.



This preview shows how white text looks on a background with the CIELCh color 66, 85.533, 129.531.

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


66, 85.533, 129.531

Protanopia

66, 69.060, 95.168

Deuteranopia

65, 62.157, 82.299



Tritanopia
66, 20.632, 220.236

Trichromacy



Original Color
66, 85.533, 129.531



Protanomaly
65, 71.675, 111.106



Deuteranomaly
64, 65.008, 105.261



Tritanomaly
65, 41.558, 148.482

Monochromacy



Original Color
66, 85.533, 129.531



Achromatopsia
55, 0.007, 296.813



Achromatomaly
58, 38.942, 128.969

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 85.533, 129.531 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(83, 182, 3)` looks like.

```
.text, #text, p{  
    color:rgb(83, 182, 3)  
}
```

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(83, 182, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 182, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 85.533, 129.531 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(83, 182, 3) }
```

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

```
.border{ border-color:rgb(83, 182, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 182, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 182, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 182, 3);  
box-shadow:4px 4px 4px 4px rgb(83, 182, 3)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 66, 85.533, 129.531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 182, 3) }
```

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

```
.background{ background-color: rgb(83, 182,  
3) }
```

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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