

Converting Colors

CIELCh(65, 82.598, 130.204)

Have a look what the booklet for
CIELCh(65, 82.598, 130.204)
contains.

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Color

CIELCh(65, 82.613, 130.176)

Conversions

Conversions Part 1

Format	Color
Hex	52B312
RGB	82, 179, 18
RGB Percent	32%, 70%, 7%
CMY	0.6787, 0.2983, 0.9298
CMYK	0.54, 0.00, 0.90, 0.30
HSL	96°, 82%, 39%
HSV	96°, 90%, 70%
XYZ	19.6881, 34.0472, 6.1013
YIQ	131.6430, -6.1310, -70.6350

Conversions

Conversions Part 2

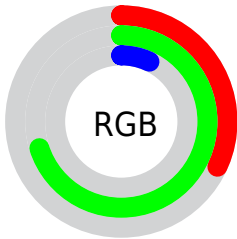
Format	Color
RYB	18, 179, 115
Decimal	5419794
CIELab	65.00, -53.30, 63.12
CIELCh	65, 82.613, 130.176
Yxy	34.0472, 0.3290, 0.5690
Android (android.graphics.Color)	4283609874 (0xFF52B312)
YUV	131.6430, -56.0260, -43.5369
Hunter-Lab	58.3500, -41.8839, 34.6454

Details

The CIELCh color **65, 82.613, 130.176** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **33, 89.633, 315.057**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 82.738, 130.262**, and **45, 70.635, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **65, 86.241, 130.993**, and if you desaturate by 10%, it is **65, 77.283, 129.705**.

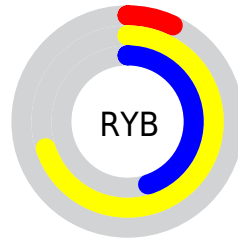
Distribution



Red (32%)

Green (70%)

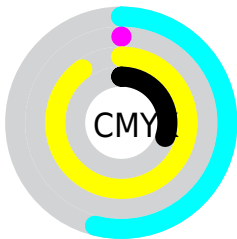
Blue (7%)



Red (7%)

Yellow (70%)

Blue (45%)

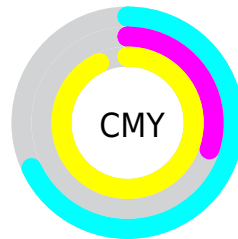


Cyan (54%)

Magenta (0%)

Yellow (90%)

Black (30%)



Cyan (68%)


Magenta (30%)


Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 82.613, 130.176 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 65, 82.613, 130.176 by changing the saturation by 10% instead.


 65, 82.613,
130.176


 65, 82.613,
130.176


 100, 82.613,
130.176


 55, 82.613,
130.176


 85, 82.613,
130.176

 45, 82.613,
130.176

 95, 82.613,
130.176

 35, 82.613,
130.176

 25, 82.613,
130.176

 15, 82.613,
130.176

 5, 82.613, 130.176

 0, 82.613, 130.176

■ 65, 82.613,
130.176

■ 65, 82.613,
130.176

■ 65, 86.241,
130.993

■ 65, 77.283,
129.705

■ 65, 86.241,
130.993

■ 66, 70.155,
129.641

■ 67, 61.657,
129.861

■ 68, 52.216,
130.249

■ 68, 42.174,
130.718

■ 69, 31.780,
131.212

■ 70, 21.208,
131.697

■ 72, 10.582,

132.159

■ 73, 0.009, 296.932

Harmonies

Complementary

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



65, 82.613, 130.176



33, 89.633, 315.057

Rectangle

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



65, 82.613, 130.176



65, 82.613, 180.176



65, 82.613, 310.176



65, 82.613, 0.176

Sweetspot

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



65, 82.613, 130.177



88, 35.351, 131.337



54, 59.880, 71.965



47, 23.994, 131.171



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



65, 82.613, 130.177



82, 105.058, 131.247



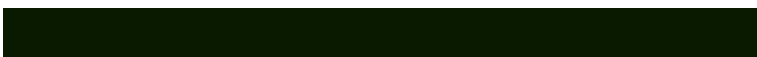
64, 86.092, 137.910



37, 5.980, 132.190



56, 76.675, 130.806



7, 14.825, 135.511

Inverse Universe

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



33, 89.633, 315.057



40, 113.818, 314.316



42, 80.334, 332.176



35, 6.043, 312.934



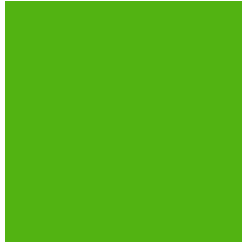
26, 83.279, 314.633



2, 14.112, 308.750

Previews

White Background



This preview shows how the CIELCh color 65, 82.613, 130.176 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 65, 82.613, 130.176 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 65, 82.613, 130.176

Background



This preview shows how black text looks on a background with the CIELCh color 65, 82.613, 130.176.



This preview shows how white text looks on a background with the CIELCh color 65, 82.613, 130.176.

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
65, 82.613, 130.176

Protanopia
65, 67.313, 95.029

Deuteranopia
65, 60.612, 82.264



Tritanopia
65, 20.134, 220.919

Trichromacy



Original Color
65, 82.613, 130.176



Protanomaly
64, 69.595, 111.484



Deuteranomaly
64, 62.461, 105.542



Tritanomaly
64, 38.685, 150.827

Monochromacy



Original Color
65, 82.613, 130.176



Achromatopsia
55, 0.007, 296.813



Achromatomaly
58, 35.396, 130.833

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 82.613, 130.176 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(82, 179, 18)` looks like.

```
.text, #text, p{  
    color:rgb(82, 179, 18)  
}
```

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(82, 179, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 179, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 82.613, 130.176 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(82, 179, 18) }
```

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

```
.border{ border-color:rgb(82, 179, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 179, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 179, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 179, 18);  
box-shadow:4px 4px 4px 4px rgb(82, 179,  
18) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 82.613, 130.176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 179, 18) }
```

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

```
.background{ background-color: rgb(82, 179,  
18) }
```

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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