

Converting Colors

CIELCh(68, 85.043, 291.071)

Have a look what the booklet for
CIELCh(68, 85.043, 291.071)
contains.

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Color

CIELCh(65, 56.164, 283.140)

Conversions

Conversions Part 1

Format	Color
Hex	6B9CFF
RGB	107, 156, 255
RGB Percent	42%, 61%, 100%
CMY	0.5812, 0.3895, 0.0000
CMYK	0.58, 0.39, 0.00, 0.00
HSL	220°, 100%, 71%
HSV	220°, 58%, 100%
XYZ	36.0425, 34.0472, 99.9113
YIQ	152.6350, -60.9830, 20.4010

Conversions

Conversions Part 2

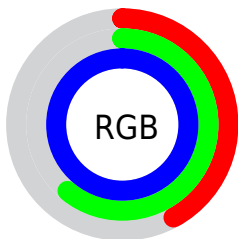
Format	Color
RYB	107, 144, 255
Decimal	7052543
CIELab	65.00, 12.77, -54.69
CIElCh	65, 56.164, 283.140
Yxy	34.0472, 0.2120, 0.2003
Android (android.graphics.Color)	4285242623 (0xFF6B9CFF)
YUV	152.6350, 50.4659, -40.0219
Hunter-Lab	58.3500, 8.1462, -60.6760

Details

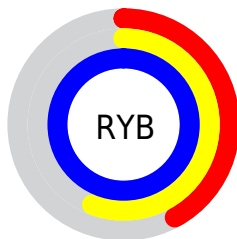
The CIELCh color **65, 56.164, 283.140** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **85, 55.458, 83.525**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 26.634, 262.949**, and **45, 56.001, 283.132** is the 20% darker color. If you saturate the color by 10%, you get **59, 66.099, 286.145**, and if you desaturate by 10%, it is **71, 45.715, 280.199**.

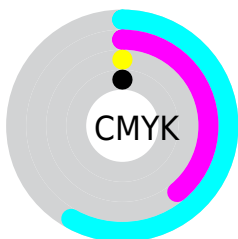
Distribution



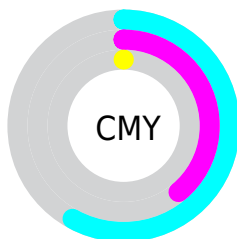
- Red (42%)
- Green (61%)
- Blue (100%)



- Red (42%)
- Yellow (56%)
- Blue (100%)



- Cyan (58%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)





- Cyan (58%)
- Magenta (39%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 56.164, 283.140 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, 56.164, 283.140 by changing the saturation by 10% instead.


 65, 56.164,
283.140


 65, 56.164,
283.140


 100, 56.164,
283.140


 55, 56.164,
283.140


 85, 56.164,
283.140

 45, 56.164,
283.140

 95, 56.164,
283.140

 35, 56.164,
283.140

 25, 56.164,
283.140

 15, 56.164,
283.140

 5, 56.164, 283.140

 0, 56.164, 283.140

65, 56.164,
283.140

65, 56.164,
283.140

59, 66.099,
286.145

71, 45.715,
280.199

54, 76.722,
289.627

77, 35.885,
277.795

49, 87.577,
293.289

83, 26.246,
275.738

44, 98.414,
296.890

89, 16.774,
273.987

44, 100.427,
297.515

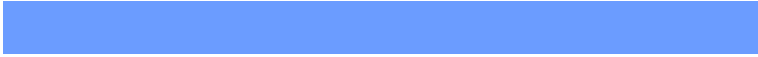
95, 7.458, 272.508

100, 0.012,
296.813

Harmonies

Complementary

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



65, 56.164, 283.140



85, 55.458, 83.525

Rectangle

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



65, 56.164, 283.140



65, 56.164, 333.140



65, 56.164, 103.140



65, 56.164, 153.140

Sweetspot

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



65, 55.771, 282.983



90, 15.727, 273.809



91, 52.440, 166.968



46, 10.536, 274.132



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



65, 55.771, 282.983



58, 68.079, 286.780



55, 84.504, 303.031



50, 5.230, 272.697



33, 79.437, 296.889



8, 31.868, 291.783

Inverse Universe

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



65, 60.770, 2.442



60, 71.144, 5.824



96, 72.057, 112.696



50, 5.753, 354.782



40, 69.756, 18.530



10, 31.357, 10.580

Previews

White Background



This preview shows how the CIELCh color 65, 56.164, 283.140 looks on a white background.

Color Contrast Check

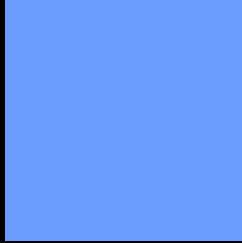
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 65, 56.164, 283.140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

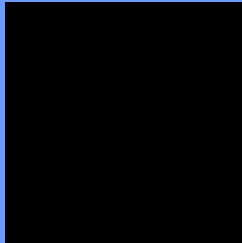
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

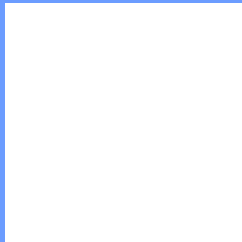
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 56.164, 283.140

Background



This preview shows how black text looks on a background with the CIELCh color 65, 56.164, 283.140.



This preview shows how white text looks on a background with the CIELCh color 65, 56.164, 283.140.

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

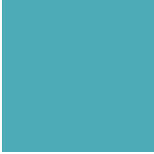
65, 55.586, 282.862

Protanopia

65, 55.257, 285.876

Deuteranopia

65, 55.394, 280.541



Tritanopia
65, 28.181, 212.294

Trichromacy



Original Color
65, 55.586, 282.862

Protanomaly
65, 55.361, 284.669

Deuteranomaly
65, 55.276, 281.131

Tritanomaly
65, 31.951, 250.449

Monochromacy



Original Color
65, 55.586, 282.862

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 20.741, 276.314

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 56.164, 283.140 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(107, 156, 255)` looks like.

```
.text, #text, p{  
    color:rgb(107, 156, 255)  
}
```

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(107, 156, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 156, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 56.164, 283.140 is called "border". The border property can be set on classes, ids or directly on the HTML element.

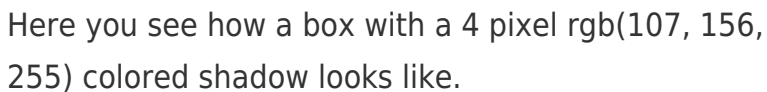
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(107, 156, 255) }
```

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

```
.border{ border-color:rgb(107, 156, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(107, 156, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 156, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 156, 255);  
box-shadow:4px 4px 4px 4px rgb(107, 156,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 56.164, 283.140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 156, 255) }
```

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

```
.background{ background-color: rgb(107,  
156, 255) }
```

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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