

Converting Colors

CIELCh(68, 45.201, 282.027)

Have a look what the booklet for
CIELCh(68, 45.201, 282.027)
contains.

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Color

CIELCh(68, 45.193, 281.987)

Conversions

Conversions Part 1

Format	Color
Hex	81A4F5
RGB	129, 164, 245
RGB Percent	51%, 64%, 96%
CMY	0.4928, 0.3556, 0.0379
CMYK	0.47, 0.33, 0.00, 0.04
HSL	222°, 86%, 73%
HSV	222°, 47%, 96%
XYZ	38.9715, 37.9720, 91.9386
YIQ	162.7690, -46.8610, 17.7710

Conversions

Conversions Part 2

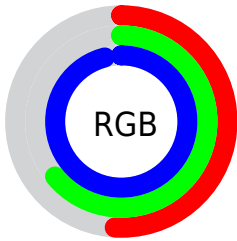
Format	Color
R _{YB}	129, 156, 245
Decimal	8496373
CIE Lab	68.00, 9.39, -44.21
CIE LCh	68, 45.193, 281.987
Yxy	37.9720, 0.2308, 0.2248
Android (android.graphics.Color)	4286686453 (0xFF81A4F5)
YUV	162.7690, 40.5399, -29.6154
Hunter-Lab	61.6215, 5.0520, -45.3250

Details

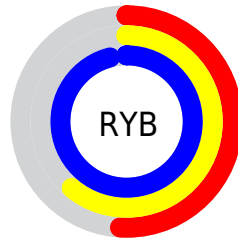
The CIELCh color **68, 45.193, 281.987** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **86, 44.539, 87.396**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 21.163, 262.708**, and **48, 44.805, 281.716** is the 20% darker color. If you saturate the color by 10%, you get **62, 55.408, 284.673**, and if you desaturate by 10%, it is **74, 35.242, 279.665**.

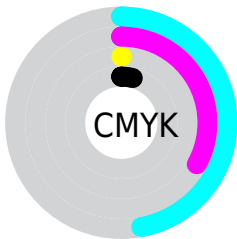
Distribution



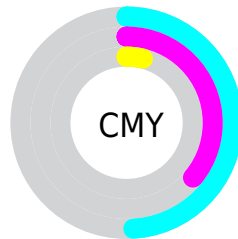
- Red (51%)
- Green (64%)
- Blue (96%)



- Red (51%)
- Yellow (61%)
- Blue (96%)



- Cyan (47%)
- Magenta (33%)
- Yellow (0%)
- Black (4%)



- Cyan (49%)
- Magenta (36%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 45.193, 281.987 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 68, 45.193, 281.987 by changing the saturation by 10% instead.

■ 68, 45.193,
281.987

■ 68, 45.193,
281.987

■ 100, 45.193,
281.987

■ 58, 45.193,
281.987

■ 88, 45.193,
281.987

■ 48, 45.193,
281.987

■ 98, 45.193,
281.987

■ 38, 45.193,
281.987

■ 28, 45.193,
281.987

■ 18, 45.193,
281.987

■ 8, 45.193, 281.987

■ 0, 45.193, 281.987

■ 68, 45.193,
281.987

■ 68, 45.193,
281.987

■ 62, 55.408,
284.673

■ 74, 35.242,
279.665

■ 56, 65.928,
287.721

■ 80, 25.523,
277.677

■ 51, 76.755,
291.072

■ 86, 16.009,
275.982

■ 46, 87.784,
294.585

■ 92, 6.684, 274.550

■ 42, 98.685,
298.028

■ 98, 2.458, 93.159

■ 40, 101.568,
298.881

■ 100, 4.884,
109.797

Harmonies

Complementary

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



68, 45.193, 281.987



86, 44.539, 87.396

Rectangle

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



68, 45.193, 281.987



68, 45.193, 331.987



68, 45.193, 101.987



68, 45.193, 151.987

Sweetspot

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



68, 45.192, 281.987



91, 13.340, 275.488



89, 42.163, 169.688



47, 9.229, 275.814



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 45.192, 281.987



65, 56.877, 284.626



61, 65.552, 301.986



48, 5.218, 274.843



30, 81.123, 298.298



7, 30.749, 292.339

Inverse Universe

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



68, 47.999, 2.106



65, 59.393, 4.293



93, 58.178, 114.063



48, 5.483, 356.706



39, 69.182, 21.009



9, 29.675, 11.120

Previews

White Background



This preview shows how the CIELCh color 68, 45.193, 281.987 looks on a white background.

Color Contrast Check

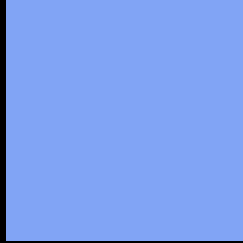
Large Text (above 18pt) WCAG AA × Fail

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 68, 45.193, 281.987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

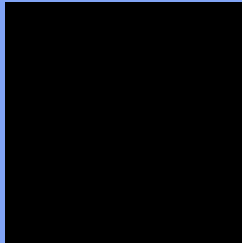
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

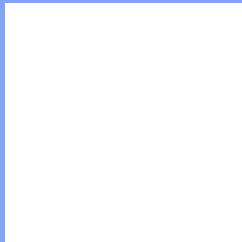
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 45.193, 281.987

Background



This preview shows how black text looks on a background with the CIELCh color 68, 45.193, 281.987.



This preview shows how white text looks on a background with the CIELCh color 68, 45.193, 281.987.

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

68, 45.193, 281.987

Protanopia

68, 45.393, 285.864

Deuteranopia

68, 45.149, 282.304



Tritanopia
68, 21.250, 221.035

Trichromacy



Original Color
68, 45.193, 281.987

Protanomaly
68, 44.952, 284.298

Deuteranomaly
68, 45.149, 282.304

Tritanomaly
68, 26.121, 254.560

Monochromacy



Original Color
68, 45.193, 281.987

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 16.970, 277.785

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 45.193, 281.987 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(129, 164, 245)` looks like.

```
.text, #text, p{  
    color:rgb(129, 164, 245)  
}
```

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(129, 164, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 164, 245) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 45.193, 281.987 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(129, 164, 245) }
```

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

```
.border{ border-color:rgb(129, 164, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 164, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 164, 245); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 164, 245); box-shadow:4px 4px 4px 4px rgb(129, 164, 245) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 45.193, 281.987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 164, 245) }
```

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

```
.background{ background-color: rgb(129,  
164, 245) }
```

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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