

Converting Colors

CIELCh(68, 50.788, 278.551)

Have a look what the booklet for
CIELCh(68, 50.788, 278.551)
contains.

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Color

CIELCh(68, 50.236, 278.210)

Conversions

Conversions Part 1

Format	Color
Hex	6EA6FF
RGB	110, 166, 255
RGB Percent	43%, 65%, 100%
CMY	0.5671, 0.3477, 0.0000
CMYK	0.57, 0.35, 0.00, 0.00
HSL	217°, 100%, 72%
HSV	217°, 57%, 100%
XYZ	38.2793, 37.9720, 100.2202
YIQ	159.4020, -61.9450, 15.8070

Conversions

Conversions Part 2

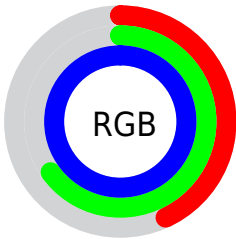
Format	Color
RYB	110, 150, 255
Decimal	7251711
CIELab	68.00, 7.17, -49.72
CIELCh	68, 50.236, 278.210
Yxy	37.9720, 0.2169, 0.2152
Android (android.graphics.Color)	4285441791 (0xFF6EA6FF)
YUV	159.4020, 47.1298, -43.3256
Hunter-Lab	61.6215, 3.0469, -53.2934

Details

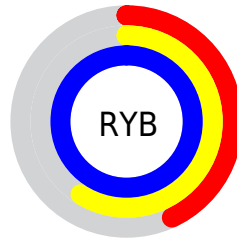
The CIELCh color **68, 50.236, 278.210** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **84, 52.430, 78.809**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 23.415, 248.744**, and **48, 50.136, 278.113** is the 20% darker color. If you saturate the color by 10%, you get **63, 59.232, 281.365**, and if you desaturate by 10%, it is **73, 41.030, 275.275**.

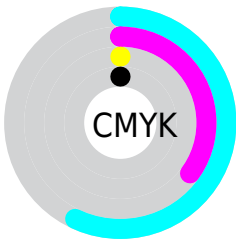
Distribution



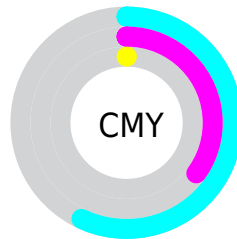
- Red (43%)
- Green (65%)
- Blue (100%)



- Red (43%)
- Yellow (59%)
- Blue (100%)



- Cyan (57%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)





- Cyan (57%)
- Magenta (35%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 50.236, 278.210 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, 50.236, 278.210 by changing the saturation by 10% instead.


 68, 50.236,
278.210


 68, 50.236,
278.210


 100, 50.236,
278.210


 58, 50.236,
278.210


 88, 50.236,
278.210

 48, 50.236,
278.210

 98, 50.236,
278.210

 38, 50.236,
278.210

 28, 50.236,
278.210

 18, 50.236,
278.210

 8, 50.236, 278.210

 0, 50.236, 278.210

■ 68, 50.236,
278.210

■ 68, 50.236,
278.210

■ 63, 59.232,
281.365

■ 73, 41.030,
275.275

■ 58, 68.623,
285.002

■ 79, 32.111,
272.842

■ 53, 78.264,
288.910

■ 85, 23.272,
270.772

■ 48, 88.099,
292.885

■ 90, 14.502,
269.016

■ 47, 91.354,
294.119

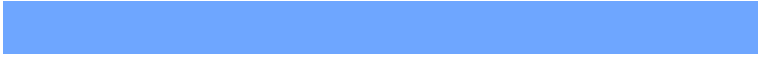
■ 96, 5.805, 267.547

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.



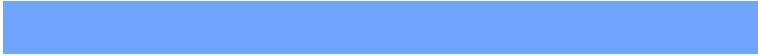
68, 50.236, 278.210



84, 52.430, 78.809

Rectangle

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



68, 50.236, 278.210



68, 50.236, 328.210



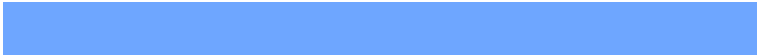
68, 50.236, 98.210



68, 50.236, 148.210

Sweetspot

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



68, 50.054, 278.111



90, 14.752, 269.062



91, 54.625, 162.888



47, 9.875, 269.393



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, 50.054, 278.111



62, 60.427, 281.813



55, 82.413, 301.237



50, 4.920, 267.926



35, 72.232, 293.418



9, 28.997, 287.814

Inverse Universe

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



66, 60.334, 357.919



61, 70.178, 0.737



97, 70.088, 109.645



50, 5.941, 351.058



41, 68.509, 13.086



10, 31.285, 5.911

Previews

White Background



This preview shows how the CIELCh color 68, 50.236, 278.210 looks on a white background.

Color Contrast Check

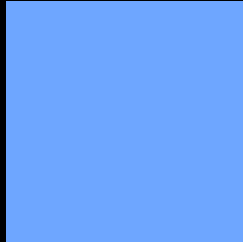
Large Text (above 18pt) WCAG AA × Fail

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, 50.236, 278.210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

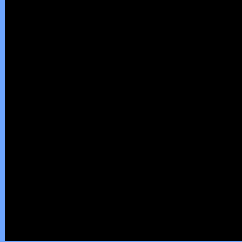
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

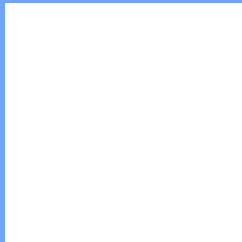
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 50.236, 278.210

Background



This preview shows how black text looks on a background with the CIELCh color 68, 50.236, 278.210.



This preview shows how white text looks on a background with the CIELCh color 68, 50.236, 278.210.

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, 50.236, 278.210

Protanopia

68, 49.286, 285.554

Deuteranopia

68, 50.326, 280.974



Tritanopia
68, 28.185, 213.411

Trichromacy



Original Color
68, 50.236, 278.210

Protanomaly
68, 49.033, 282.416

Deuteranomaly
68, 50.461, 280.223

Tritanomaly
68, 31.169, 246.668

Monochromacy



Original Color
68, 50.236, 278.210

Achromatopsia
66, 0.008, 296.813

Achromatomaly
66, 19.257, 271.602

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 50.236, 278.210 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(110, 166, 255)` looks like.

```
.text, #text, p{  
    color:rgb(110, 166, 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(110, 166, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 166, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 50.236, 278.210 is called "border". The border property can be set on classes, ids or directly on the HTML element.

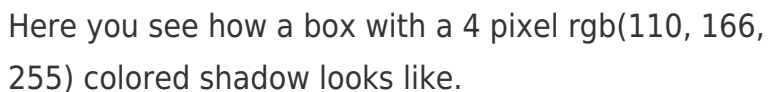
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(110, 166, 255) }
```

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

```
.border{ border-color:rgb(110, 166, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(110, 166, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(110, 166, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(110, 166, 255); box-shadow:4px 4px 4px 4px rgb(110, 166, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 50.236, 278.210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 166, 255) }
```

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

```
.background{ background-color: rgb(110,  
166, 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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