

Converting Colors

CIELCh(68, 51.154, 283.713)

Have a look what the booklet for
CIELCh(68, 51.154, 283.713)
contains.

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Color

CIELCh(68, 51.103, 283.853)

Conversions

Conversions Part 1

Format	Color
Hex	7EA3FF
RGB	126, 163, 255
RGB Percent	49%, 64%, 100%
CMY	0.5048, 0.3598, 0.0000
CMYK	0.50, 0.36, 0.00, 0.00
HSL	223°, 100%, 75%
HSV	223°, 50%, 100%
XYZ	39.8753, 37.9720, 100.0587
YIQ	162.4250, -51.5840, 20.7680

Conversions

Conversions Part 2

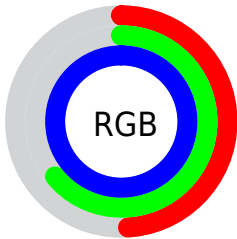
Format	Color
RYB	126, 155, 255
Decimal	8299519
CIELab	68.00, 12.24, -49.62
CIElCh	68, 51.103, 283.853
Yxy	37.9720, 0.2241, 0.2134
Android (android.graphics.Color)	4286489599 (0xFF7EA3FF)
YUV	162.4250, 45.6395, -31.9447
Hunter-Lab	61.6215, 7.6700, -53.1379

Details

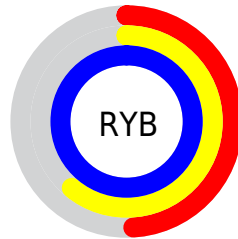
The CIELCh color **68, 51.103, 283.853** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **88, 49.606, 88.048**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 21.760, 262.772**, and **48, 51.103, 283.793** is the 20% darker color. If you saturate the color by 10%, you get **62, 61.871, 286.583**, and if you desaturate by 10%, it is **74, 40.368, 281.380**.

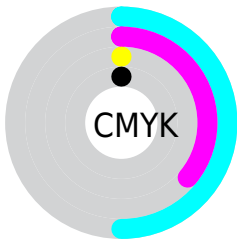
Distribution



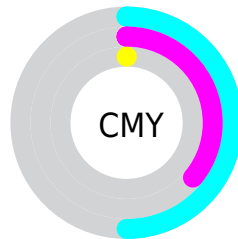
- Red (49%)
- Green (64%)
- Blue (100%)



- Red (49%)
- Yellow (61%)
- Blue (100%)



- Cyan (50%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)





- Cyan (50%)
- Magenta (36%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 51.103, 283.853 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, 51.103, 283.853 by changing the saturation by 10% instead.


 68, 51.103,
283.853


 68, 51.103,
283.853


 100, 51.103,
283.853


 58, 51.103,
283.853


 88, 51.103,
283.853

 48, 51.103,
283.853

 98, 51.103,
283.853

 38, 51.103,
283.853

 28, 51.103,
283.853

 18, 51.103,
283.853

 8, 51.103, 283.853

 0, 51.103, 283.853

■ 68, 51.103,
283.853

■ 68, 51.103,
283.853

■ 62, 61.871,
286.583

■ 74, 40.368,
281.380

■ 56, 73.119,
289.708

■ 81, 30.049,
279.302

■ 50, 84.663,
293.086

■ 87, 19.972,
277.528

■ 45, 96.284,
296.538

■ 93, 10.117,
276.022

■ 41, 106.963,
299.621

■ 100, 0.471,
275.230

■ 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, 51.103, 283.853



88, 49.606, 88.048

Rectangle

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



68, 51.103, 283.853



68, 51.103, 333.853



68, 51.103, 103.853



68, 51.103, 153.853

Sweetspot

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



68, 50.962, 283.800



90, 14.543, 276.671



92, 45.359, 170.410



47, 9.943, 276.992



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, 50.962, 283.800



62, 62.444, 286.737



61, 72.619, 302.872



50, 5.482, 275.888



31, 84.670, 299.052



7, 33.974, 294.219

Inverse Universe

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



69, 52.696, 3.849



64, 63.122, 6.437



96, 63.883, 114.612



50, 5.631, 357.708



40, 71.137, 22.410



10, 31.515, 13.627

Previews

White Background



This preview shows how the CIELCh color 68, 51.103, 283.853 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, 51.103, 283.853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

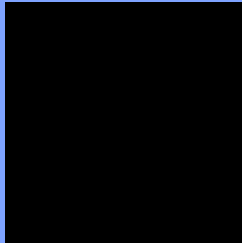
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

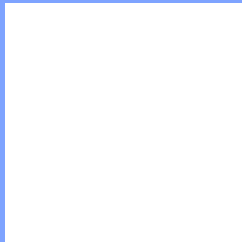
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 51.103, 283.853

Background



This preview shows how black text looks on a background with the CIELCh color 68, 51.103, 283.853.



This preview shows how white text looks on a background with the CIELCh color 68, 51.103, 283.853.

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, 51.103, 283.853

Protanopia

68, 50.912, 285.799

Deuteranopia

68, 50.283, 281.229



Tritanopia
68, 23.193, 218.855

Trichromacy



Original Color
68, 51.103, 283.853

Protanomaly
68, 50.978, 285.247

Deuteranomaly
68, 50.724, 282.284

Tritanomaly
68, 28.598, 255.189

Monochromacy



Original Color
68, 51.103, 283.853

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 18.636, 278.288

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 51.103, 283.853 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(126, 163, 255)` looks like.

```
.text, #text, p{  
    color:rgb(126, 163, 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(126, 163, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 163, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 51.103, 283.853 is called "border". The border property can be set on classes, ids or directly on the HTML element.

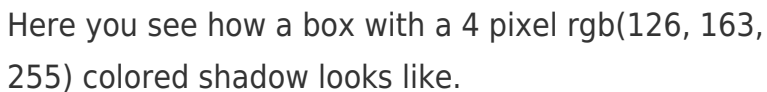
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(126, 163, 255) }
```

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

```
.border{ border-color:rgb(126, 163, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(126, 163, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 163, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 163, 255);  
box-shadow:4px 4px 4px 4px rgb(126, 163,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 51.103, 283.853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 163, 255) }
```

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

```
.background{ background-color: rgb(126,  
163, 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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