

Converting Colors

CIELCh(52, 83.155, 294.820)

Have a look what the booklet for
CIELCh(52, 83.155, 294.820)
contains.

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Color

CIELCh(52, 82.808, 294.727)

Conversions

Conversions Part 1

Format	Color
Hex	4D6FFF
RGB	77, 111, 255
RGB Percent	30%, 44%, 100%
CMY	0.6984, 0.5649, 0.0003
CMYK	0.70, 0.56, 0.00, 0.00
HSL	229°, 100%, 65%
HSV	229°, 70%, 100%
XYZ	26.7685, 20.1443, 97.0219
YIQ	117.2500, -66.4880, 37.5760

Conversions

Conversions Part 2

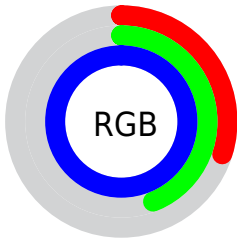
Format	Color
R _Y B	77, 106, 255
Decimal	5074943
CIE Lab	52.00, 34.64, -75.22
CIE LCh	52, 82.808, 294.727
Yxy	20.1443, 0.1860, 0.1400
Android (android.graphics.Color)	4283265023 (0xFF4D6FFF)
YUV	117.2500, 67.9107, -35.2993
Hunter-Lab	44.8824, 27.9154, -96.7489

Details

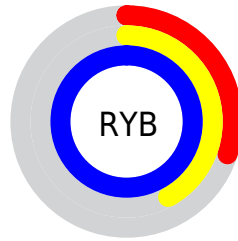
The CIELCh color **52, 82.808, 294.727** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle washed azure. A complement of this color would be **89, 71.612, 92.473**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 51.111, 289.697**, and **33, 82.004, 297.226** is the 20% darker color. If you saturate the color by 10%, you get **46, 96.023, 297.718**, and if you desaturate by 10%, it is **58, 69.738, 291.893**.

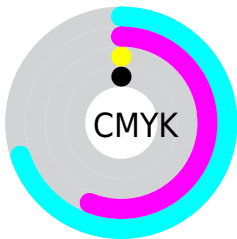
Distribution



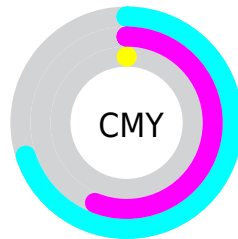
- Red (30%)
- Green (44%)
- Blue (100%)



- Red (30%)
- Yellow (42%)
- Blue (100%)



- Cyan (70%)
- Magenta (56%)
- Yellow (0%)
- Black (0%)





- Cyan (70%)
- Magenta (56%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 82.808, 294.727 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 52, 82.808, 294.727 by changing the saturation by 10% instead.


 52, 82.808,
294.727


 52, 82.808,
294.727


 100, 82.808,
294.727


 42, 82.808,
294.727


 72, 82.808,
294.727

 32, 82.808,
294.727

 82, 82.808,
294.727

 22, 82.808,
294.727

 92, 82.808,
294.727

 12, 82.808,
294.727

 2, 82.808, 294.727

 0, 82.808, 294.727

■ 52, 82.808,
294.727

■ 52, 82.808,
294.727

■ 46, 96.023,
297.718

■ 58, 69.738,
291.893

■ 41, 108.749,
300.639

■ 65, 57.061,
289.336

■ 37, 119.875,
303.168

■ 72, 44.830,
287.098

■ 37, 120.045,
303.205

■ 79, 33.026,
285.172

■ 86, 21.613,
283.527

■ 93, 10.557,
282.130

■ 100, 0.026,
107.220

Harmonies

Complementary

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



52, 82.808, 294.727



89, 71.612, 92.473

Rectangle

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



52, 82.808, 294.727



52, 82.808, 344.727



52, 82.808, 114.727



52, 82.808, 164.727

Sweetspot

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



52, 82.808, 294.728



85, 22.937, 283.707



91, 52.828, 175.586



43, 15.591, 284.143



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



52, 82.808, 294.728



44, 101.470, 298.961



49, 101.488, 307.443



49, 6.106, 282.089



27, 95.353, 302.784



6, 37.975, 297.865

Inverse Universe

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



60, 71.806, 16.828



56, 83.762, 22.902



94, 85.536, 118.415



50, 5.413, 4.758



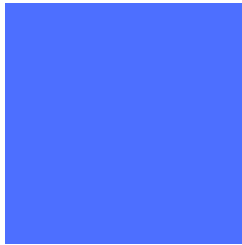
40, 75.385, 30.253



10, 32.036, 19.172

Previews

White Background



This preview shows how the CIE LCh color 52, 82.808, 294.727 looks on a white background.

Color Contrast Check

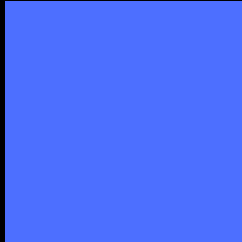
Large Text (above 18pt) WCAG AA ✓ Pass

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 52, 82.808, 294.727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

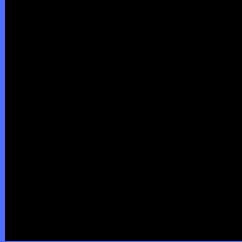
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 82.808, 294.727

Background



This preview shows how black text looks on a background with the CIELCh color 52, 82.808, 294.727.



This preview shows how white text looks on a background with the CIELCh color 52, 82.808, 294.727.

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





Tritanopia
52, 30.517, 207.753

Trichromacy



Original Color
52, 82.808, 294.727

Protanomaly
52, 79.332, 289.469

Deuteranomaly
51, 64.536, 283.342

Tritanomaly
51, 38.661, 260.242

Monochromacy



Original Color
52, 82.808, 294.727

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 30.625, 286.208

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 82.808, 294.727 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(77, 111, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 111, 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(77, 111, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 111, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 82.808, 294.727 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(77, 111, 255) }
```

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

```
.border{ border-color:rgb(77, 111, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 111, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 111, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 111, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 111,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 82.808, 294.727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 111, 255) }
```

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

```
.background{ background-color: rgb(77, 111,  
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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