

Converting Colors

CIELCh(54, 80.373, 296.414)

Have a look what the booklet for
CIELCh(54, 80.373, 296.414)
contains.

CIELCh(54, 80.569, 296.550)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(54, 80.569, 296.550)

Conversions

Conversions Part 1

Format	Color
Hex	6372FF
RGB	99, 114, 255
RGB Percent	39%, 45%, 100%
CMY	0.6108, 0.5522, 0.0000
CMYK	0.61, 0.55, 0.00, 0.00
HSL	234°, 100%, 69%
HSV	234°, 61%, 100%
XYZ	29.2930, 21.9746, 97.4846
YIQ	125.5890, -54.2010, 40.6710

Conversions

Conversions Part 2

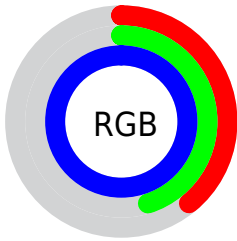
Format	Color
R _Y B	99, 113, 255
Decimal	6517503
CIE Lab	54.00, 36.01, -72.07
CIE LCh	54, 80.569, 296.550
Yxy	21.9746, 0.1969, 0.1477
Android (android.graphics.Color)	4284707583 (0xFF6372FF)
YUV	125.5890, 63.7996, -23.3186
Hunter-Lab	46.8770, 29.5080, -90.4844

Details

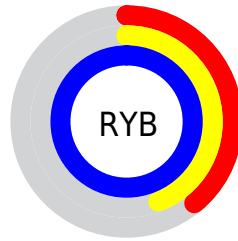
The CIELCh color **54, 80.569, 296.550** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **94, 68.822, 99.502**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 48.594, 293.357**, and **34, 80.705, 296.669** is the 20% darker color. If you saturate the color by 10%, you get **47, 95.121, 299.108**, and if you desaturate by 10%, it is **61, 65.994, 294.142**.

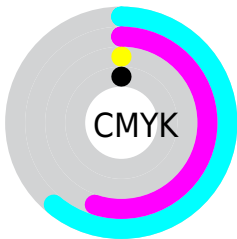
Distribution



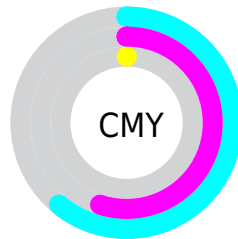
- Red (39%)
- Green (45%)
- Blue (100%)



- Red (39%)
- Yellow (44%)
- Blue (100%)



- Cyan (61%)
- Magenta (55%)
- Yellow (0%)
- Black (0%)





- Cyan (61%)
- Magenta (55%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 80.569, 296.550 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 54, 80.569, 296.550 by changing the saturation by 10% instead.


 54, 80.569,
296.550

 54, 80.569,
296.550


 100, 80.569,
296.550

 44, 80.569,
296.550


 74, 80.569,
296.550

 34, 80.569,
296.550

 84, 80.569,
296.550

 24, 80.569,
296.550

 94, 80.569,
296.550

 14, 80.569,
296.550

 4, 80.569, 296.550

 0, 80.569, 296.550

■ 54, 80.569,
296.550

■ 54, 80.569,
296.550

■ 47, 95.121,
299.108

■ 61, 65.994,
294.142

■ 41, 109.264,
301.659

■ 69, 52.016,
292.014

■ 37, 121.459,
303.888

■ 76, 38.581,
290.173

■ 34, 129.212,
305.318

■ 84, 25.673,
288.599

■ 92, 13.252,
287.264

■ 99, 1.280, 286.213

■ 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.



54, 80.569, 296.550



94, 68.822, 99.502

Rectangle

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



54, 80.569, 296.550



54, 80.569, 346.550



54, 80.569, 116.550



54, 80.569, 166.550

Sweetspot

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



54, 80.454, 296.537



86, 21.796, 288.164



92, 44.677, 186.158



44, 15.228, 288.575



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



54, 80.454, 296.537



46, 97.909, 299.607



56, 88.723, 309.343



49, 6.781, 287.074



24, 103.143, 305.066



5, 41.079, 300.040

Inverse Universe

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



63, 64.633, 21.156



58, 77.434, 25.265



93, 78.699, 122.667



50, 5.286, 12.209



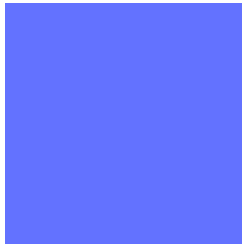
40, 80.171, 36.160



10, 32.630, 23.286

Previews

White Background



This preview shows how the CIE LCh color 54, 80.569, 296.550 looks on a white background.

Color Contrast Check

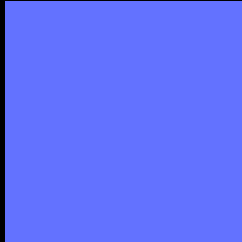
Large Text (above 18pt) WCAG AA ✓ Pass

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 54, 80.569, 296.550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

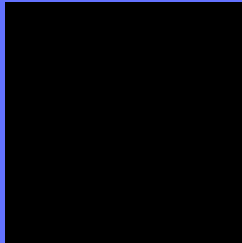
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 54, 80.569, 296.550

Background



This preview shows how black text looks on a background with the CIELCh color 54, 80.569, 296.550.

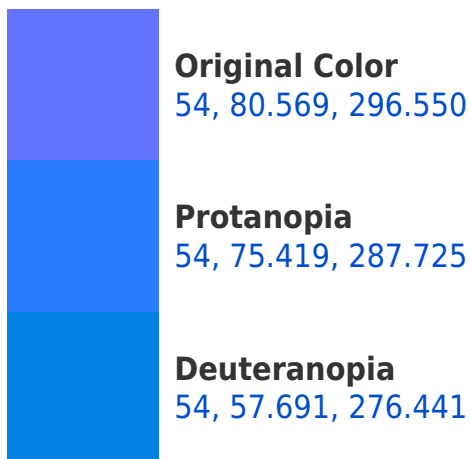


This preview shows how white text looks on a background with the CIELCh color 54, 80.569, 296.550.

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
54, 26.815, 210.896

Trichromacy



Original Color
54, 80.569, 296.550

Protanomaly
54, 77.526, 290.636

Deuteranomaly
53, 65.832, 283.693

Tritanomaly
53, 36.506, 266.567

Monochromacy



Original Color
54, 80.569, 296.550

Achromatopsia
53, 0.007, 296.813

Achromatomaly
53, 29.581, 289.931

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 80.569, 296.550 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(99, 114, 255)` looks like.

```
.text, #text, p{  
    color:rgb(99, 114, 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(99, 114, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 114, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 80.569, 296.550 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(99, 114, 255) }
```

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

```
.border{ border-color:rgb(99, 114, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 114, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 114, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 114, 255);  
box-shadow:4px 4px 4px 4px rgb(99, 114,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 80.569, 296.550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 114, 255) }
```

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

```
.background{ background-color: rgb(99, 114,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor