

Converting Colors

CIELCh(57, 112.804, 307.152)

Have a look what the booklet for
CIELCh(57, 112.804, 307.152)
contains.

CIELCh(54, 91.727, 308.577)	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, 91.727, 308.577)

Conversions

Conversions Part 1

Format	Color
Hex	995EFF
RGB	153, 94, 255
RGB Percent	60%, 37%, 100%
CMY	0.4003, 0.6316, 0.0003
CMYK	0.40, 0.63, 0.00, 0.00
HSL	262°, 100%, 68%
HSV	262°, 63%, 100%
XYZ	35.1584, 21.9746, 96.9348
YIQ	129.9950, -16.5170, 62.5790

Conversions

Conversions Part 2

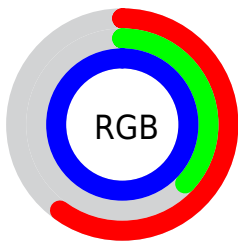
Format	Color
R _Y B	153, 94, 255
Decimal	10051327
CIE Lab	54.00, 57.20, -71.71
CIE LCh	54, 91.727, 308.577
Yxy	21.9746, 0.2282, 0.1426
Android (android.graphics.Color)	4288241407 (0xFF995EFF)
YUV	129.9950, 61.6275, 20.1754
Hunter-Lab	46.8770, 51.8424, -89.7890

Details

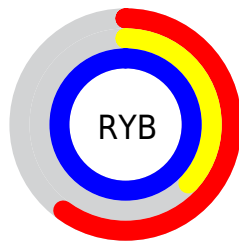
The CIELCh color **54, 91.727, 308.577** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **93, 80.243, 121.287**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 62.276, 314.747**, and **34, 91.636, 308.568** is the 20% darker color. If you saturate the color by 10%, you get **48, 105.457, 309.181**, and if you desaturate by 10%, it is **61, 76.950, 307.842**.

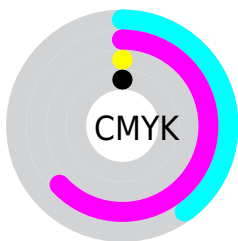
Distribution



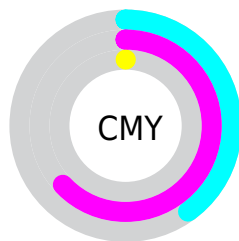
- Red (60%)
- Green (37%)
- Blue (100%)



- Red (60%)
- Yellow (37%)
- Blue (100%)



- Cyan (40%)
- Magenta (63%)
- Yellow (0%)
- Black (0%)





- Cyan (40%)
- Magenta (63%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 54, 91.727, 308.577 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, 91.727, 308.577 by changing the saturation by 10% instead.


 54, 91.727,
308.577


 54, 91.727,
308.577


 100, 91.727,
308.577


 44, 91.727,
308.577


 74, 91.727,
308.577

 34, 91.727,
308.577

 84, 91.727,
308.577

 24, 91.727,
308.577

 94, 91.727,
308.577

 14, 91.727,
308.577

 4, 91.727, 308.577

 0, 91.727, 308.577

■ 54, 91.727,
308.577

■ 54, 91.727,
308.577

■ 48, 105.457,
309.181

■ 61, 76.950,
307.842

■ 43, 117.023,
309.512

■ 68, 61.863,
307.071

■ 39, 125.115,
309.407

■ 75, 46.887,
306.322

■ 37, 128.570,
309.096

■ 83, 32.236,
305.625

■ 90, 18.012,
304.993

■ 98, 4.251, 304.416

■ 100, 0.025,
107.099

Harmonies

Complementary

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



54, 91.727, 308.577



93, 80.243, 121.287

Rectangle

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



54, 91.727, 308.577



54, 91.727, 358.577



54, 91.727, 128.577



54, 91.727, 178.577

Sweetspot

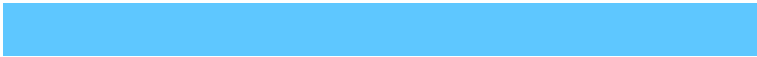
The Sweet Spot groups the original color and five complimentary colors.



54, 91.726, 308.578



86, 26.283, 305.354



76, 39.169, 249.469



44, 18.174, 305.540



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, 91.726, 308.578



46, 109.054, 309.310



63, 92.695, 322.848



49, 7.742, 304.778



27, 103.359, 309.271



5, 44.859, 309.330

Inverse Universe

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



64, 73.951, 343.158



60, 83.165, 345.166



90, 91.867, 136.091



50, 7.001, 337.767



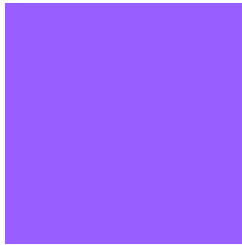
42, 71.503, 350.142



11, 33.718, 346.628

Previews

White Background



This preview shows how the CIELCh color 54, 91.727, 308.577 looks on a white background.

Color Contrast Check

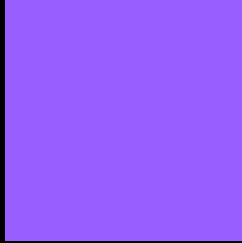
Large Text (above 18pt) WCAG AA ✓ Pass

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, 91.727, 308.577 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, 91.727, 308.577

Background



This preview shows how black text looks on a background with the CIELCh color 54, 91.727, 308.577.

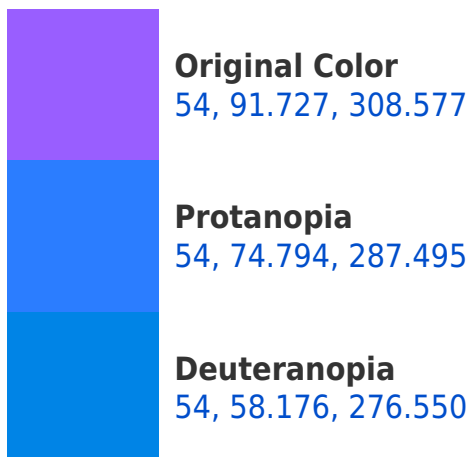



This preview shows how white text looks on a background with the CIELCh color 54, 91.727, 308.577.

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, 5.780, 287.090

Trichromacy



Original Color
54, 91.727, 308.577



Protanomaly
53, 80.848, 294.558



Deuteranomaly
52, 70.189, 288.365



Tritanomaly
53, 38.361, 304.553

Monochromacy



Original Color
54, 91.727, 308.577



Achromatopsia
54, 0.007, 296.813



Achromatomaly
53, 34.473, 306.121

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 91.727, 308.577 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(153, 94, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 94, 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(153, 94, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 94, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 91.727, 308.577 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(153, 94, 255) }
```

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

```
.border{ border-color:rgb(153, 94, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 94, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 94, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 94, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 94,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 91.727, 308.577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 94, 255) }
```

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

```
.background{ background-color: rgb(153, 94,  
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