

Converting Colors

CIELCh(54, 75.129, 300.805)

Have a look what the booklet for
CIELCh(54, 75.129, 300.805)
contains.

CIELCh(54, 75.063, 300.755)	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, 75.063, 300.755)

Conversions

Conversions Part 1

Format	Color
Hex	7C6FF2
RGB	124, 111, 242
RGB Percent	49%, 44%, 95%
CMY	0.5148, 0.5656, 0.0521
CMYK	0.49, 0.54, 0.00, 0.05
HSL	246°, 83%, 69%
HSV	246°, 54%, 95%
XYZ	29.9146, 21.9746, 86.4499
YIQ	129.8210, -34.3030, 43.4970

Conversions

Conversions Part 2

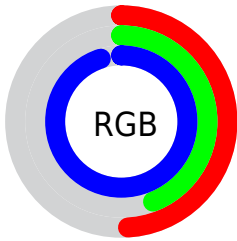
Format	Color
RYB	124, 111, 242
Decimal	8155122
CIELab	54.00, 38.38, -64.51
CIELCh	54, 75.063, 300.755
Yxy	21.9746, 0.2162, 0.1588
Android (android.graphics.Color)	4286345202 (0xFF7C6FF2)
YUV	129.8210, 55.3042, -5.1050
Hunter-Lab	46.8770, 31.8749, -76.5278

Details

The CIELCh color $54, 75.063, 300.755$ is a light color, and the websafe version is hex $6666FF$. A complement of this color would be $92, 64.498, 109.768$, and the grayscale version is $54, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 50.670, 301.721$, and $34, 74.950, 300.674$ is the 20% darker color. If you saturate the color by 10%, you get $47, 90.151, 302.470$, and if you desaturate by 10%, it is $61, 60.087, 299.143$.

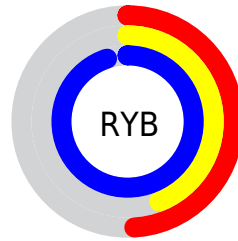
Distribution



Red (49%)

Green (44%)

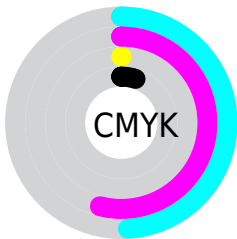
Blue (95%)



Red (49%)

Yellow (44%)

Blue (95%)

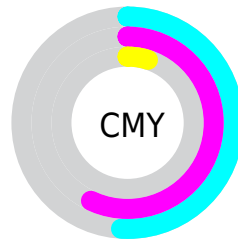


Cyan (49%)

Magenta (54%)

Yellow (0%)

Black (5%)



Cyan (51%)


Magenta (57%)


Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 54, 75.063, 300.755 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, 75.063, 300.755 by changing the saturation by 10% instead.


 54, 75.063,
300.755


 54, 75.063,
300.755


 100, 75.063,
300.755


 44, 75.063,
300.755


 74, 75.063,
300.755

 34, 75.063,
300.755

 84, 75.063,
300.755

 24, 75.063,
300.755

 94, 75.063,
300.755

 14, 75.063,
300.755

 4, 75.063, 300.755

 0, 75.063, 300.755

■ 54, 75.063,
300.755

■ 54, 75.063,
300.755

■ 47, 90.151,
302.470

■ 61, 60.087,
299.143

■ 41, 104.582,
304.139

■ 69, 45.553,
297.697

■ 35, 116.894,
305.518

■ 77, 31.566,
296.434

■ 32, 125.130,
306.319

■ 85, 18.138,
295.347

■ 31, 127.961,
306.548

■ 92, 5.247, 294.420

■ 100, 6.727,
111.478

■ 100, 6.721,
109.664

Harmonies

Complementary

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



54, 75.063, 300.755



92, 64.498, 109.768

Rectangle

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



54, 75.063, 300.755



54, 75.063, 350.755



54, 75.063, 120.755



54, 75.063, 170.755

Sweetspot

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



54, 75.063, 300.756



87, 21.455, 295.537



85, 34.433, 206.932



45, 14.546, 295.754



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, 75.063, 300.756



49, 95.442, 302.643



60, 75.961, 314.365



46, 7.153, 294.891



22, 104.003, 306.614



3, 38.066, 301.057

Inverse Universe

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



66, 74.644, 330.393



65, 89.832, 330.985



88, 71.310, 129.421



47, 8.044, 327.766



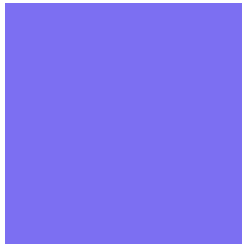
43, 83.556, 332.607



10, 36.870, 331.942

Previews

White Background



This preview shows how the CIELCh color 54, 75.063, 300.755 looks on a white background.

Color Contrast Check

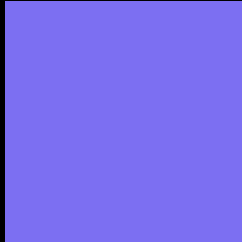
Large Text (above 18pt) WCAG AA ✓ Pass

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, 75.063, 300.755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

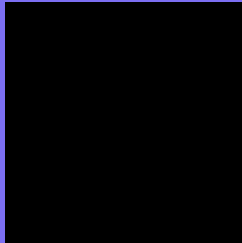
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 54, 75.063, 300.755

Background



This preview shows how black text looks on a background with the CIELCh color 54, 75.063, 300.755.




This preview shows how white text looks on a background with the CIELCh color 54, 75.063, 300.755.

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, 14.772, 223.846

Trichromacy



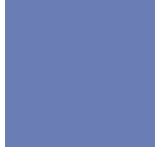
Original Color
54, 75.063, 300.755



Protanomaly
54, 75.243, 291.404



Deuteranomaly
53, 65.200, 284.363



Tritanomaly
53, 32.123, 282.765

Monochromacy



Original Color
54, 75.063, 300.755



Achromatopsia
54, 0.007, 296.813



Achromatomaly
54, 27.852, 297.003

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 75.063, 300.755 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(124, 111, 242)` looks like.

```
.text, #text, p{  
    color:rgb(124, 111, 242)  
}
```

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(124, 111, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 111, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 75.063, 300.755 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(124, 111, 242) }
```

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

```
.border{ border-color:rgb(124, 111, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 111, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 111, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 111, 242);  
box-shadow:4px 4px 4px 4px rgb(124, 111,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 75.063, 300.755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 111, 242) }
```

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

```
.background{ background-color: rgb(124,  
111, 242) }
```

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