

Converting Colors

CIELCh(54, 76.009, 315.385)

Have a look what the booklet for
CIELCh(54, 76.009, 315.385)
contains.

CIELCh(54, 75.964, 315.377)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(54, 75.964, 315.377)

Conversions

Conversions Part 1

Format	Color
Hex	AC5DDE
RGB	172, 93, 222
RGB Percent	67%, 36%, 87%
CMY	0.3243, 0.6342, 0.1282
CMYK	0.22, 0.58, 0.00, 0.13
HSL	277°, 66%, 62%
HSV	277°, 58%, 87%
XYZ	34.2463, 21.9746, 71.7613
YIQ	131.3270, 5.6750, 56.8670

Conversions

Conversions Part 2

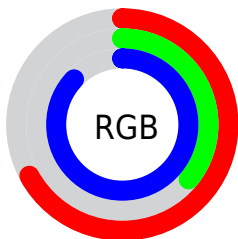
Format	Color
R _{YB}	172, 93, 222
Decimal	11296222
CIE _{Lab}	54.00, 54.07, -53.36
CIE _{LCh}	54, 75.964, 315.377
Y _{xy}	21.9746, 0.2676, 0.1717
Android (android.graphics.Color)	4289486302 (0xFFAC5DDE)
YUV	131.3270, 44.7018, 35.6702
Hunter-Lab	46.8770, 48.3694, -57.9496

Details

The CIELCh color **54, 75.964, 315.377** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **81, 71.521, 130.213**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 63.814, 319.691**, and **34, 75.806, 315.388** is the 20% darker color. If you saturate the color by 10%, you get **49, 87.641, 315.610**, and if you desaturate by 10%, it is **59, 63.222, 315.016**.

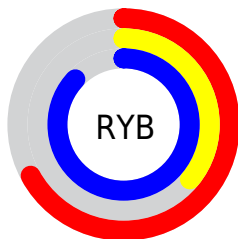
Distribution



Red (67%)

Green (36%)

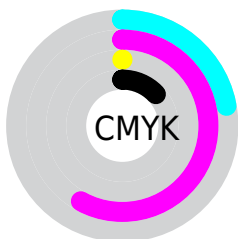
Blue (87%)



Red (67%)

Yellow (36%)

Blue (87%)

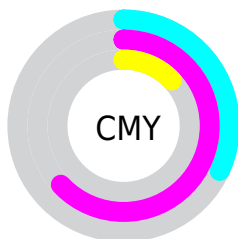


Cyan (22%)

Magenta (58%)

Yellow (0%)

Black (13%)



Cyan (32%)


Magenta (63%)


Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 54, 75.964, 315.377 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, 75.964, 315.377 by changing the saturation by 10% instead.


 54, 75.964,
315.377


 54, 75.964,
315.377


 100, 75.964,
315.377


 44, 75.964,
315.377


 74, 75.964,
315.377

 34, 75.964,
315.377

 84, 75.964,
315.377

 24, 75.964,
315.377

 94, 75.964,
315.377

 14, 75.964,
315.377

 4, 75.964, 315.377

 0, 75.964, 315.377

54, 75.964,
315.377

54, 75.964,
315.377

49, 87.641,
315.610

59, 63.222,
315.016

45, 97.532,
315.636

65, 49.971,
314.584

42, 104.863,
315.369

71, 36.586,
314.125

39, 109.233,
314.755

77, 23.303,
313.665

39, 109.942,
314.624

84, 10.263,
313.216

90, 2.460, 132.889

96, 14.828,
132.453

98, 17.343,
125.652

■ 99, 16.663,
115.409

Harmonies

Complementary

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



54, 75.964, 315.377



81, 71.521, 130.213

Rectangle

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



54, 75.964, 315.377



54, 75.964, 5.377



54, 75.964, 135.377



54, 75.964, 185.377

Sweetspot

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



54, 75.963, 315.377



88, 24.523, 313.624



60, 44.980, 277.261



45, 16.440, 313.716



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, 75.963, 315.377



55, 100.174, 315.639



60, 73.827, 330.626



44, 7.318, 313.279



30, 92.205, 314.792



4, 34.270, 314.551

Inverse Universe

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



58, 55.159, 358.064



60, 71.710, 1.267



79, 74.798, 141.990



44, 5.350, 351.002



37, 64.332, 12.669



6, 25.629, 2.545

Previews

White Background



This preview shows how the CIELCh color 54, 75.964, 315.377 looks on a white background.

Color Contrast Check

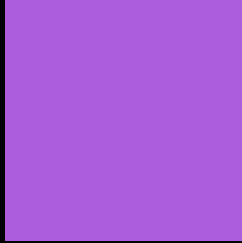
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 54, 75.964, 315.377 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

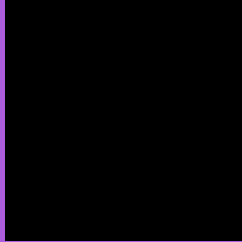
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 54, 75.964, 315.377

Background



This preview shows how black text looks on a background with the CIELCh color 54, 75.964, 315.377.

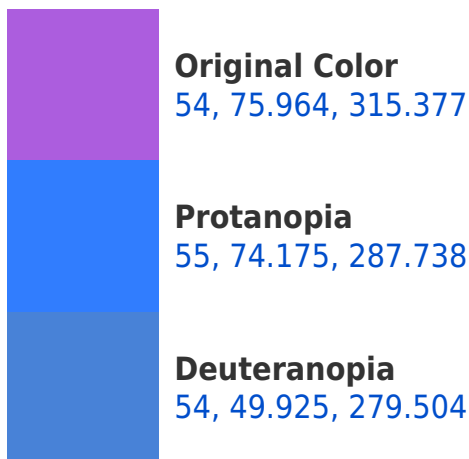


This preview shows how white text looks on a background with the CIELCh color 54, 75.964, 315.377.

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, 16.312, 2.981

Trichromacy



Original Color
54, 75.964, 315.377



Protanomaly
53, 74.206, 295.153



Deuteranomaly
53, 58.243, 294.493



Tritanomaly
54, 35.594, 326.690

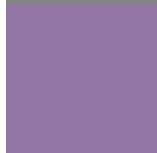
Monochromacy



Original Color
54, 75.964, 315.377



Achromatopsia
55, 0.007, 296.813



Achromatomaly
54, 29.186, 314.267

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 75.964, 315.377 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(172, 93, 222)` looks like.

```
.text, #text, p{  
    color:rgb(172, 93, 222)  
}
```

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(172, 93, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 93, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 75.964, 315.377 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(172, 93, 222) }
```

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

```
.border{ border-color:rgb(172, 93, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 93, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 93, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 93, 222);  
box-shadow:4px 4px 4px 4px rgb(172, 93,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 75.964, 315.377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 93, 222) }
```

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

```
.background{ background-color: rgb(172, 93,  
222) }
```

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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