

Converting Colors

CIELCh(54, 70.168, 305.604)

Have a look what the booklet for
CIELCh(54, 70.168, 305.604)
contains.

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Color

CIELCh(54, 70.556, 305.561)

Conversions

Conversions Part 1

Format	Color
Hex	8E6BE5
RGB	142, 107, 229
RGB Percent	56%, 42%, 90%
CMY	0.4425, 0.5798, 0.1013
CMYK	0.38, 0.53, 0.00, 0.10
HSL	257°, 70%, 66%
HSV	257°, 53%, 90%
XYZ	30.6188, 21.9746, 76.8714
YIQ	131.3730, -18.3020, 45.3620

Conversions

Conversions Part 2

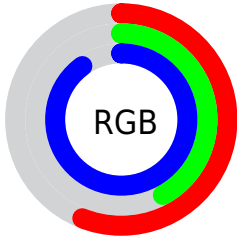
Format	Color
RYB	142, 107, 229
Decimal	9333733
CIELab	54.00, 41.03, -57.40
CIELCh	54, 70.556, 305.561
Yxy	21.9746, 0.2365, 0.1697
Android (android.graphics.Color)	4287523813 (0xFF8E6BE5)
YUV	131.3730, 48.1301, 9.3199
Hunter-Lab	46.8770, 34.5567, -64.4129

Details

The CIELCh color `54, 70.556, 305.561` is a light color, and the websafe version is hex `9966CC`. A complement of this color would be `86, 62.410, 118.287`, and the grayscale version is `55, 0.007, 296.813`.

A 20% lighter version of the original color is `72, 53.869, 308.274`, and `34, 70.776, 305.487` is the 20% darker color. If you saturate the color by 10%, you get `48, 84.421, 306.527`, and if you desaturate by 10%, it is `61, 56.566, 304.599`.

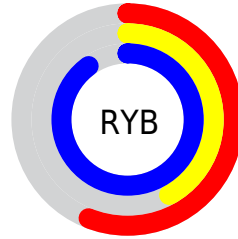
Distribution



Red (56%)

Green (42%)

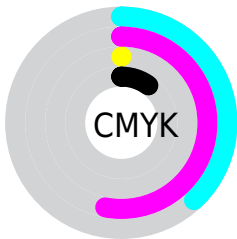
Blue (90%)



Red (56%)

Yellow (42%)

Blue (90%)

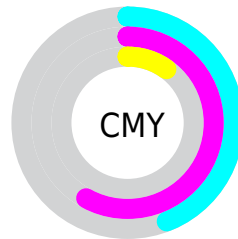


Cyan (38%)

Magenta (53%)

Yellow (0%)

Black (10%)



Cyan (44%)


Magenta (58%)


Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 54, 70.556, 305.561 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, 70.556, 305.561 by changing the saturation by 10% instead.


 54, 70.556,
305.561


 54, 70.556,
305.561


 100, 70.556,
305.561


 44, 70.556,
305.561


 74, 70.556,
305.561

 34, 70.556,
305.561

 84, 70.556,
305.561

 24, 70.556,
305.561

 94, 70.556,
305.561

 14, 70.556,
305.561

 4, 70.556, 305.561

 0, 70.556, 305.561

54, 70.556,
305.561

54, 70.556,
305.561

48, 84.421,
306.527

61, 56.566,
304.599

42, 97.509,
307.393

68, 42.797,
303.694

37, 108.738,
308.002

75, 29.408,
302.872

33, 116.735,
308.162

82, 16.461,
302.140

31, 120.235,
308.041

89, 3.969, 301.490

96, 8.077, 120.950

99, 13.078,
109.189

Harmonies

Complementary

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



54, 70.556, 305.561



86, 62.410, 118.287

Rectangle

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



54, 70.556, 305.561



54, 70.556, 355.561



54, 70.556, 125.561



54, 70.556, 175.561

Sweetspot

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



54, 70.555, 305.561



88, 21.793, 302.339



75, 30.384, 236.281



45, 14.768, 302.489



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, 70.555, 305.561



52, 93.188, 306.632



61, 72.955, 320.517



44, 7.019, 301.886



23, 99.551, 308.183



3, 34.419, 303.836

Inverse Universe

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



63, 62.171, 337.913



65, 78.434, 339.036



83, 71.332, 135.241



45, 6.794, 334.374



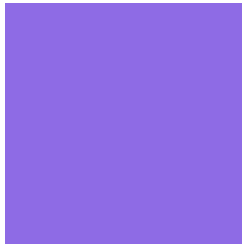
40, 71.260, 343.886



8, 30.773, 340.841

Previews

White Background



This preview shows how the CIELCh color 54, 70.556, 305.561 looks on a white background.

Color Contrast Check

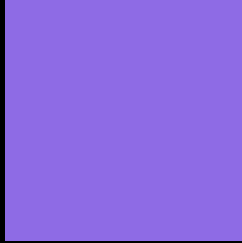
Large Text (above 18pt) WCAG AA ✓ Pass

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, 70.556, 305.561 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

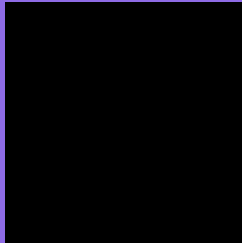
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 54, 70.556, 305.561

Background



This preview shows how black text looks on a background with the CIELCh color 54, 70.556, 305.561.

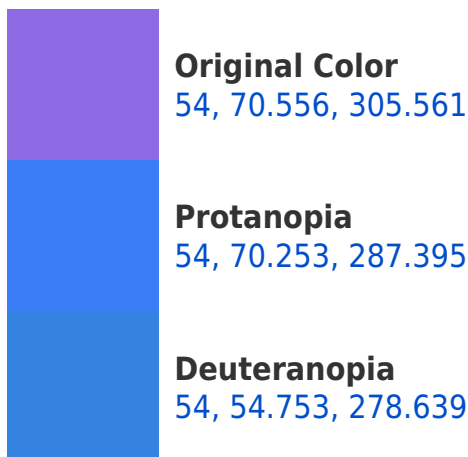


This preview shows how white text looks on a background with the CIELCh color 54, 70.556, 305.561.

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, 6.447, 262.928

Trichromacy



Original Color
54, 70.556, 305.561



Protanomaly
54, 70.041, 292.418



Deuteranomaly
53, 60.065, 288.564



Tritanomaly
54, 29.085, 298.327

Monochromacy



Original Color
54, 70.556, 305.561



Achromatopsia
55, 0.007, 296.813



Achromatomaly
54, 25.906, 303.363

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 70.556, 305.561 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(142, 107, 229)` looks like.

```
.text, #text, p{  
    color:rgb(142, 107, 229)  
}
```

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(142, 107, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 107, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 70.556, 305.561 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(142, 107, 229) }
```

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

```
.border{ border-color:rgb(142, 107, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 107, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(142, 107, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(142, 107, 229); box-shadow:4px 4px 4px 4px rgb(142, 107, 229) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 70.556, 305.561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 107, 229) }
```

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

```
.background{ background-color: rgb(142,  
107, 229) }
```

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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