

Converting Colors

CIELCh(53, 80.258, 317.645)

Have a look what the booklet for
CIELCh(53, 80.258, 317.645)
contains.

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Color

CIELCh(53, 80.590, 317.724)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | B254DD |
| RGB | 178, 84, 221 |
| RGB Percent | 70%, 33%, 87% |
| CMY | 0.3017, 0.6703, 0.1331 |
| CMYK | 0.19, 0.62, 0.00, 0.13 |
| HSL | 281°, 67%, 60% |
| HSV | 281°, 62%, 87% |
| XYZ | 34.6092, 21.0462, 70.6892 |
| YIQ | 127.7240, 12.0470, 62.5350 |

Conversions

Conversions Part 2

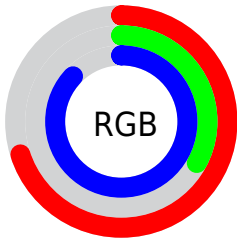
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 178, 84, 221 |
| Decimal | 11687133 |
| CIE Lab | 53.00, 59.63, -54.21 |
| CIE LCh | 53, 80.590, 317.724 |
| Yxy | 21.0462, 0.2739, 0.1666 |
| Android (android.graphics.Color) | 4289877213 (0xFFB254DD) |
| YUV | 127.7240, 45.9851, 44.0921 |
| Hunter-Lab | 45.8761, 54.3781, -59.2450 |

Details

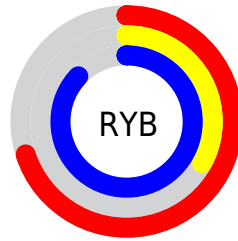
The CIELCh color **53, 80.590, 317.724** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **80, 77.042, 132.228**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 69.859, 322.223**, and **33, 80.436, 317.633** is the 20% darker color. If you saturate the color by 10%, you get **49, 91.182, 317.839**, and if you desaturate by 10%, it is **58, 68.512, 317.454**.

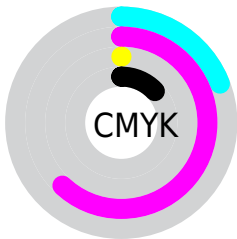
Distribution



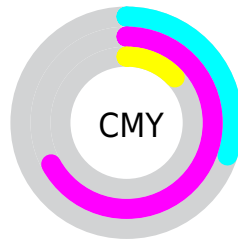
- Red (70%)
- Green (33%)
- Blue (87%)



- Red (70%)
- Yellow (33%)
- Blue (87%)



- Cyan (19%)
- Magenta (62%)
- Yellow (0%)
- Black (13%)





- Cyan (30%)
- Magenta (67%)
- Yellow (13%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 80.590, 317.724 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 53, 80.590, 317.724 by changing the saturation by 10% instead.


 53, 80.590,
317.724


 53, 80.590,
317.724


 100, 80.590,
317.724


 43, 80.590,
317.724


 73, 80.590,
317.724

 33, 80.590,
317.724

 83, 80.590,
317.724

 23, 80.590,
317.724

 93, 80.590,
317.724

 13, 80.590,
317.724

 3, 80.590, 317.724

 0, 80.590, 317.724

53, 80.590,
317.724

53, 80.590,
317.724

49, 91.182,
317.839

58, 68.512,
317.454

45, 99.582,
317.729

63, 55.574,
317.087

43, 105.188,
317.329

69, 42.243,
316.667

41, 107.857,
316.816

75, 28.839,
316.226

81, 15.565,
315.784

87, 2.543, 315.300

93, 10.158,
134.998

98, 18.948,
132.956

■ 98, 18.026,
125.841

Harmonies

Complementary

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



53, 80.590, 317.724



80, 77.042, 132.228

Rectangle

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



53, 80.590, 317.724



53, 80.590, 7.724



53, 80.590, 137.724



53, 80.590, 187.724

Sweetspot

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



53, 80.588, 317.724



87, 27.930, 316.101



54, 54.185, 284.923



44, 19.271, 316.229



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



53, 80.588, 317.724



55, 104.286, 317.835



58, 73.160, 334.068



43, 7.312, 315.671



32, 89.888, 316.975



4, 32.710, 316.803

Inverse Universe

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



55, 57.236, 4.518



59, 74.130, 8.496



79, 74.377, 143.883



43, 5.040, 355.843



36, 65.161, 19.559



6, 23.936, 6.211

Previews

White Background



This preview shows how the CIELCh color 53, 80.590, 317.724 looks on a white background.

Color Contrast Check

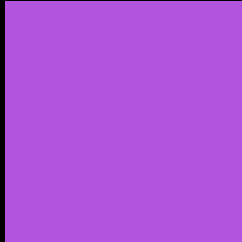
Large Text (above 18pt) WCAG AA ✓ Pass

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 53, 80.590, 317.724 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

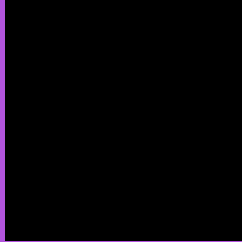
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 80.590, 317.724

Background



This preview shows how black text looks on a background with the CIELCh color 53, 80.590, 317.724.

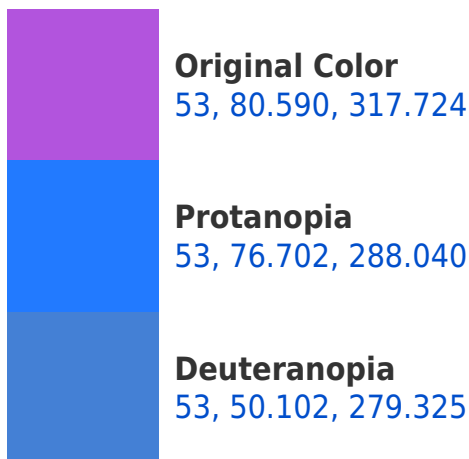


This preview shows how white text looks on a background with the CIELCh color 53, 80.590, 317.724.

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
53, 21.250, 9.644

Trichromacy



Original Color
53, 80.590, 317.724



Protanomaly
51, 77.999, 295.552



Deuteranomaly
52, 60.254, 296.153



Tritanomaly
52, 39.655, 331.815

Monochromacy



Original Color
53, 80.590, 317.724



Achromatopsia
54, 0.007, 296.813



Achromatomaly
52, 31.595, 316.394

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 80.590, 317.724 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(178, 84, 221)` looks like.

```
.text, #text, p{  
    color:rgb(178, 84, 221)  
}
```

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(178, 84, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 84, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 80.590, 317.724 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(178, 84, 221) }
```

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

```
.border{ border-color:rgb(178, 84, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 84, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 84, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 84, 221);  
box-shadow:4px 4px 4px 4px rgb(178, 84,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 80.590, 317.724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 84, 221) }
```

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

```
.background{ background-color: rgb(178, 84,  
221) }
```

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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