

Converting Colors

CIELCh(53, 82.248, 317.149)

Have a look what the booklet for
CIELCh(53, 82.248, 317.149)
contains.

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Color

CIELCh(53, 81.983, 317.068)

Conversions

Conversions Part 1

Format	Color
Hex	B154E0
RGB	177, 84, 224
RGB Percent	69%, 33%, 88%
CMY	0.3062, 0.6708, 0.1219
CMYK	0.21, 0.63, 0.00, 0.12
HSL	280°, 69%, 60%
HSV	280°, 63%, 88%
XYZ	34.7243, 21.0462, 72.7015
YIQ	127.7670, 10.4880, 63.2560

Conversions

Conversions Part 2

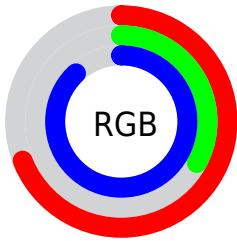
Format	Color
R_{YB}	177, 84, 224
Decimal	11621600
CIE _{Lab}	53.00, 60.02, -55.84
CIE _{LCh}	53, 81.983, 317.068
Yxy	21.0462, 0.2703, 0.1638
Android (android.graphics.Color)	4289811680 (0xFFB154E0)
YUV	127.7670, 47.4429, 43.1773
Hunter-Lab	45.8761, 54.8259, -61.8457

Details

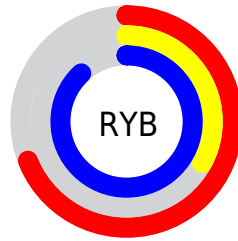
The CIELCh color **53, 81.983, 317.068** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **81, 77.925, 131.595**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 69.757, 321.960**, and **33, 81.909, 316.981** is the 20% darker color. If you saturate the color by 10%, you get **49, 92.704, 317.181**, and if you desaturate by 10%, it is **58, 69.765, 316.794**.

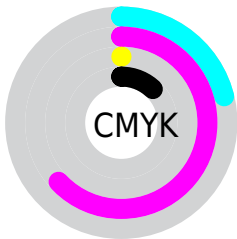
Distribution



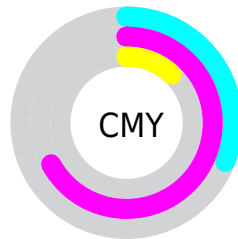
- Red (69%)
- Green (33%)
- Blue (88%)



- Red (69%)
- Yellow (33%)
- Blue (88%)



- Cyan (21%)
- Magenta (63%)
- Yellow (0%)
- Black (12%)





- Cyan (31%)
- Magenta (67%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 81.983, 317.068 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, 81.983, 317.068 by changing the saturation by 10% instead.


 53, 81.983,
317.068


 53, 81.983,
317.068


 100, 81.983,
317.068


 43, 81.983,
317.068


 73, 81.983,
317.068

 33, 81.983,
317.068

 83, 81.983,
317.068

 23, 81.983,
317.068

 93, 81.983,
317.068

 13, 81.983,
317.068

 3, 81.983, 317.068

 0, 81.983, 317.068

53, 81.983,
317.068

53, 81.983,
317.068

49, 92.704,
317.181

58, 69.765,
316.794

45, 101.196,
317.060

64, 56.694,
316.421

42, 106.831,
316.632

69, 43.242,
315.995

41, 109.380,
316.134


75, 29.732,
315.550

81, 16.364,
315.106

88, 3.259, 314.639

94, 9.518, 134.320

98, 17.094,
131.195

 99, 16.216,
122.452

Harmonies

Complementary

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



53, 81.983, 317.068



81, 77.925, 131.595

Rectangle

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



53, 81.983, 317.068



53, 81.983, 7.068



53, 81.983, 137.068



53, 81.983, 187.068

Sweetspot

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



53, 81.982, 317.068



87, 27.789, 315.399



56, 52.625, 282.707



44, 19.176, 315.528



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, 81.982, 317.068



54, 105.398, 317.173



58, 76.081, 332.758



44, 7.411, 314.970



32, 91.252, 316.296



5, 34.620, 316.479

Inverse Universe

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



56, 58.473, 3.005



58, 74.844, 7.071



80, 77.492, 142.800



44, 5.196, 354.366



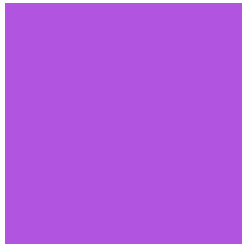
37, 65.312, 17.601



6, 25.440, 5.702

Previews

White Background



This preview shows how the CIELCh color 53, 81.983, 317.068 looks on a white background.

Color Contrast Check

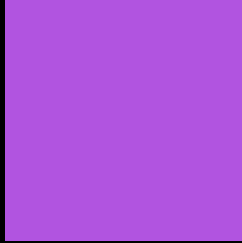
Large Text (above 18pt) WCAG AA ✓ Pass

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, 81.983, 317.068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

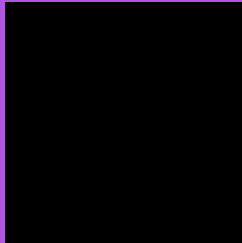
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 81.983, 317.068

Background



This preview shows how black text looks on a background with the CIELCh color 53, 81.983, 317.068.

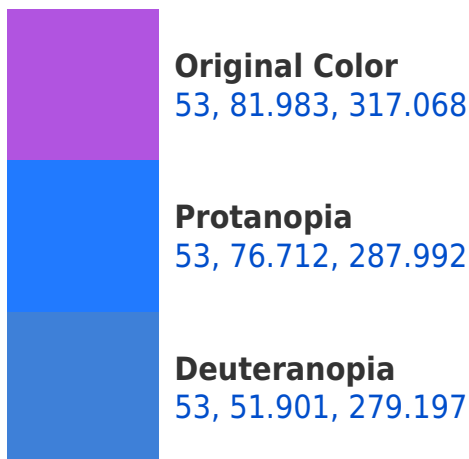



This preview shows how white text looks on a background with the CIELCh color 53, 81.983, 317.068.

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, 19.979, 8.652

Trichromacy



Original Color
53, 81.983, 317.068



Protanomaly
51, 78.562, 295.506



Deuteranomaly
51, 61.973, 295.447



Tritanomaly
52, 39.643, 330.297

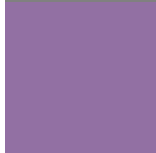
Monochromacy



Original Color
53, 81.983, 317.068



Achromatopsia
54, 0.007, 296.813



Achromatomaly
52, 32.113, 315.988

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 81.983, 317.068 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(177, 84, 224)` looks like.

```
.text, #text, p{  
    color:rgb(177, 84, 224)  
}
```

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(177, 84, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 84, 224) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 81.983, 317.068 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(177, 84, 224) }
```

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

```
.border{ border-color:rgb(177, 84, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 84, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 84, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 84, 224);  
box-shadow:4px 4px 4px 4px rgb(177, 84,  
224) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 81.983, 317.068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 84, 224) }
```

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

```
.background{ background-color: rgb(177, 84,  
224) }
```

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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