

Converting Colors

CIELCh(54, 76.235, 321.205)

Have a look what the booklet for
CIELCh(54, 76.235, 321.205)
contains.

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Color

CIELCh(54, 76.182, 321.050)

Conversions

Conversions Part 1

Format	Color
Hex	BB56D5
RGB	187, 86, 213
RGB Percent	73%, 34%, 84%
CMY	0.2673, 0.6633, 0.1653
CMYK	0.12, 0.60, 0.00, 0.17
HSL	288°, 60%, 59%
HSV	288°, 60%, 83%
XYZ	35.7638, 21.9746, 65.2071
YIQ	130.6770, 19.4290, 60.9090

Conversions

Conversions Part 2

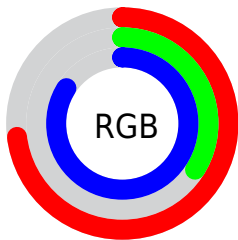
Format	Color
R_{YB}	187, 86, 213
Decimal	12277461
CIE _{Lab}	54.00, 59.25, -47.89
CIE _{LCh}	54, 76.182, 321.050
Yxy	21.9746, 0.2909, 0.1787
Android (android.graphics.Color)	4290467541 (0xFFBB56D5)
YUV	130.6770, 40.5852, 49.3953
Hunter-Lab	46.8770, 54.1478, -49.6599

Details

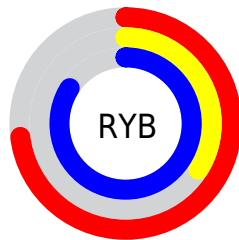
The CIELCh color **54, 76.182, 321.050** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted purple. A complement of this color would be **77, 74.636, 135.144**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 69.112, 324.459**, and **34, 76.464, 320.872** is the 20% darker color. If you saturate the color by 10%, you get **50, 86.334, 321.204**, and if you desaturate by 10%, it is **58, 64.524, 320.767**.

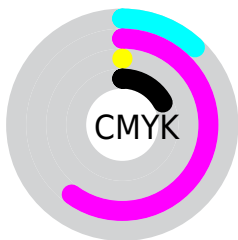
Distribution



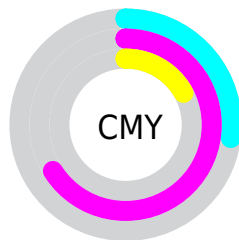
- Red (73%)
- Green (34%)
- Blue (84%)



- Red (73%)
- Yellow (34%)
- Blue (84%)



- Cyan (12%)
- Magenta (60%)
- Yellow (0%)
- Black (17%)





- Cyan (27%)
- Magenta (66%)
- Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 54, 76.182, 321.050 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, 76.182, 321.050 by changing the saturation by 10% instead.


 54, 76.182,
321.050


 54, 76.182,
321.050


 100, 76.182,
321.050


 44, 76.182,
321.050


 74, 76.182,
321.050

 34, 76.182,
321.050

 84, 76.182,
321.050

 24, 76.182,
321.050

 94, 76.182,
321.050

 14, 76.182,
321.050

 4, 76.182, 321.050

 0, 76.182, 321.050

54, 76.182,
321.050

54, 76.182,
321.050

50, 86.334,
321.204

58, 64.524,
320.767

47, 94.373,
321.183

63, 51.936,
320.398

45, 99.808,
320.942

69, 38.870,
319.978

43, 102.773,
320.488

74, 25.654,
319.532

43, 102.862,
320.472

80, 12.510,
319.077

85, 0.423, 139.170

91, 13.062,
138.254

97, 24.671,
137.710

■ 97, 23.920,
134.566

Harmonies

Complementary

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



54, 76.182, 321.050



77, 74.636, 135.144

Rectangle

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



54, 76.182, 321.050



54, 76.182, 11.050



54, 76.182, 141.050



54, 76.182, 191.050

Sweetspot

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



54, 76.180, 321.050



88, 27.167, 319.466



50, 57.990, 290.341



45, 18.913, 319.598



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, 76.180, 321.050



59, 102.071, 321.219



56, 64.542, 338.339



42, 7.384, 319.066



34, 87.282, 320.580



5, 31.476, 320.523

Inverse Universe

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



54, 53.375, 12.274



59, 73.558, 16.571



77, 64.792, 147.583



42, 4.710, 3.707



36, 68.425, 28.748



5, 22.062, 10.659

Previews

White Background



This preview shows how the CIELCh color 54, 76.182, 321.050 looks on a white background.

Color Contrast Check

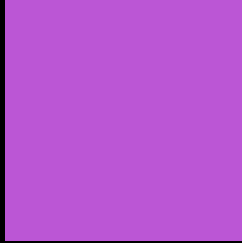
Large Text (above 18pt) WCAG AA ✓ Pass

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, 76.182, 321.050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

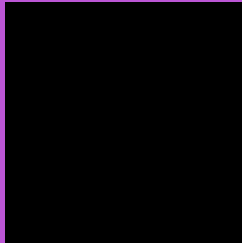
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 54, 76.182, 321.050

Background



This preview shows how black text looks on a background with the CIELCh color 54, 76.182, 321.050.

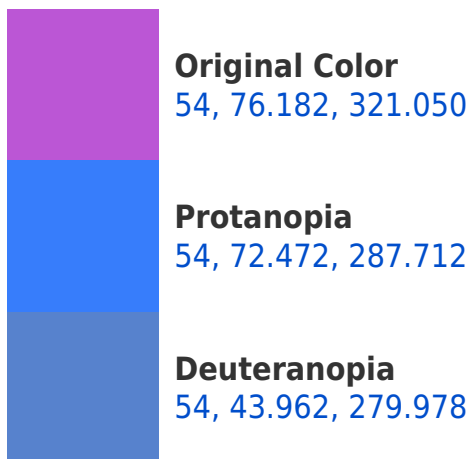


This preview shows how white text looks on a background with the CIELCh color 54, 76.182, 321.050.

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, 26.288, 12.781

Trichromacy



Original Color
54, 76.182, 321.050



Protanomaly
52, 72.570, 296.806



Deuteranomaly
53, 54.473, 299.147



Tritanomaly
53, 40.930, 338.642

Monochromacy



Original Color
54, 76.182, 321.050



Achromatopsia
55, 0.007, 296.813



Achromatomaly
53, 29.728, 319.516

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 76.182, 321.050 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(187, 86, 213)` looks like.

```
.text, #text, p{  
    color:rgb(187, 86, 213)  
}
```

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(187, 86, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 86, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 76.182, 321.050 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(187, 86, 213) }
```

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

```
.border{ border-color:rgb(187, 86, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 86, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 86, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 86, 213);  
box-shadow:4px 4px 4px 4px rgb(187, 86,  
213) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 76.182, 321.050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 86, 213) }
```

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

```
.background{ background-color: rgb(187, 86,  
213) }
```

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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