

Converting Colors

CIELCh(65, 111.071, 309.322)

Have a look what the booklet for
CIELCh(65, 111.071, 309.322)
contains.

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Color

CIELCh(61, 82.407, 313.407)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | BD6EFE |
| RGB | 189, 110, 254 |
| RGB Percent | 74%, 43%, 100% |
| CMY | 0.2578, 0.5673, 0.0029 |
| CMYK | 0.26, 0.57, 0.00, 0.00 |
| HSL | 273°, 99%, 71% |
| HSV | 273°, 57%, 100% |
| XYZ | 44.5948, 29.2481, 97.2789 |
| YIQ | 150.0370, 0.8600, 61.5320 |

Conversions

Conversions Part 2

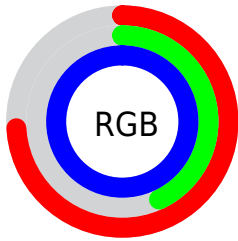
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 189, 110, 254 |
| Decimal | 12414718 |
| CIE Lab | 61.00, 56.63, -59.87 |
| CIE LCh | 61, 82.407, 313.407 |
| Yxy | 29.2481, 0.2606, 0.1709 |
| Android (android.graphics.Color) | 4290604798 (0xFFBD6EFE) |
| YUV | 150.0370, 51.2538, 34.1706 |
| Hunter-Lab | 54.0815, 52.5456, -68.7905 |

Details

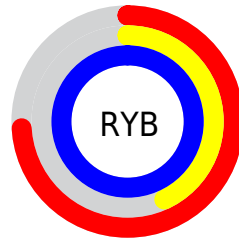
The CIELCh color $61, 82.407, 313.407$ is a light color, and the websafe version is hex `CC66FF`. A complement of this color would be $92, 76.498, 128.180$, and the grayscale version is $62, 0.008, 296.813$.

A 20% lighter version of the original color is $78, 55.705, 324.123$, and $41, 82.200, 313.548$ is the 20% darker color. If you saturate the color by 10%, you get $55, 95.923, 313.732$, and if you desaturate by 10%, it is $67, 67.928, 312.967$.

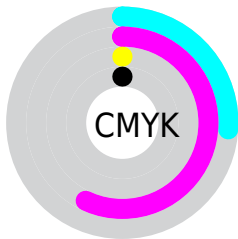
Distribution



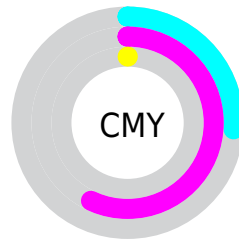
- Red (74%)
- Green (43%)
- Blue (100%)



- Red (74%)
- Yellow (43%)
- Blue (100%)



- Cyan (26%)
- Magenta (57%)
- Yellow (0%)
- Black (0%)





- Cyan (26%)
- Magenta (57%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 82.407, 313.407 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 61, 82.407, 313.407 by changing the saturation by 10% instead.


 61, 82.407,
313.407


 61, 82.407,
313.407


 100, 82.407,
313.407


 51, 82.407,
313.407


 81, 82.407,
313.407

 41, 82.407,
313.407

 91, 82.407,
313.407

 31, 82.407,
313.407

 21, 82.407,
313.407

 11, 82.407,
313.407

 1, 82.407, 313.407

 0, 82.407, 313.407

61, 82.407,
313.407

61, 82.407,
313.407

55, 95.923,
313.732

67, 67.928,
312.967

50, 107.658,
313.854

74, 53.073,
312.474

46, 116.643,
313.669

81, 38.213,
311.970

43, 122.122,
313.084

88, 23.566,
311.479

42, 123.453,
312.835

95, 9.254, 311.009

100, 0.364,
109.938

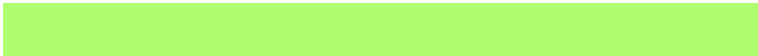
Harmonies

Complementary

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



61, 82.407, 313.407



92, 76.498, 128.180

Rectangle

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



61, 82.407, 313.407



61, 82.407, 3.407



61, 82.407, 133.407



61, 82.407, 183.407

Sweetspot

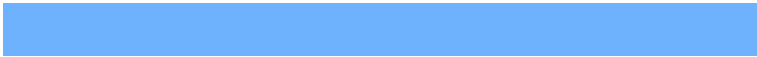
The Sweet Spot groups the original color and five complimentary colors.



61, 82.406, 313.407



88, 24.193, 311.498



71, 44.453, 270.647



45, 16.224, 311.595



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



61, 82.406, 313.407



55, 97.915, 313.763



69, 84.232, 328.356



49, 8.012, 311.144



31, 99.487, 313.029



7, 44.823, 314.221

Inverse Universe

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



66, 61.545, 353.379



61, 71.467, 355.886



90, 85.134, 140.360



50, 6.183, 347.137



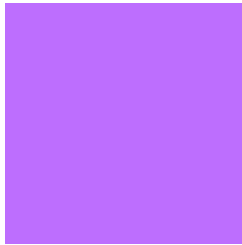
41, 67.998, 6.787



10, 31.497, 0.457

Previews

White Background



This preview shows how the CIELCh color 61, 82.407, 313.407 looks on a white background.

Color Contrast Check

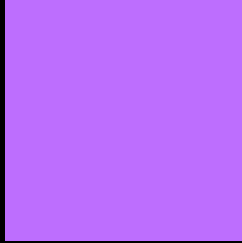
Large Text (above 18pt) WCAG AA ✓ Pass

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 61, 82.407, 313.407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

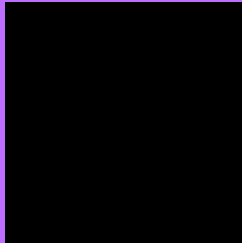
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 61, 82.407, 313.407

Background



This preview shows how black text looks on a background with the CIELCh color 61, 82.407, 313.407.

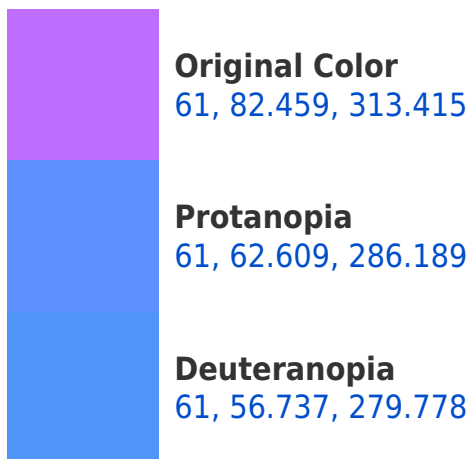


This preview shows how white text looks on a background with the CIELCh color 61, 82.407, 313.407.

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
61, 14.379, 355.574

Trichromacy



Original Color
61, 82.459, 313.415



Protanomaly
60, 69.120, 296.819



Deuteranomaly
60, 65.310, 293.630



Tritanomaly
60, 37.673, 321.642

Monochromacy



Original Color
61, 82.459, 313.415



Achromatopsia
62, 0.008, 296.813



Achromatomaly
61, 31.052, 311.667

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 82.407, 313.407 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(189, 110, 254)` looks like.

```
.text, #text, p{  
    color:rgb(189, 110, 254)  
}
```

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(189, 110, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 110, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 82.407, 313.407 is called "border". The border property can be set on classes, ids or directly on the HTML element.

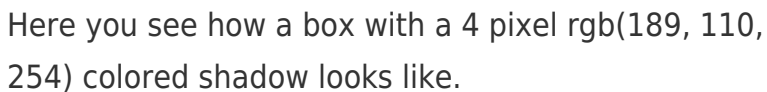
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(189, 110, 254) }
```

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

```
.border{ border-color:rgb(189, 110, 254) }
```

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



Here you see how a box with a 4 pixel `rgb(189, 110, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 110, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 110, 254);  
box-shadow:4px 4px 4px 4px rgb(189, 110,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 82.407, 313.407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 110, 254) }
```

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

```
.background{ background-color: rgb(189,  
110, 254) }
```

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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