

Converting Colors

CIELCh(65, 99.216, 309.282)

Have a look what the booklet for
CIELCh(65, 99.216, 309.282)
contains.

CIELCh(63, 78.341, 312.374)	3
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Color

CIELCh(63, 78.341, 312.374)

Conversions

Conversions Part 1

Format	Color
Hex	BE77FF
RGB	190, 119, 255
RGB Percent	75%, 47%, 100%
CMY	0.2532, 0.5321, 0.0000
CMYK	0.25, 0.53, 0.00, 0.00
HSL	271°, 100%, 73%
HSV	271°, 53%, 100%
XYZ	46.2653, 31.5869, 99.5009
YIQ	155.7330, -1.3400, 57.3480

Conversions

Conversions Part 2

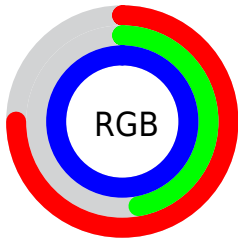
Format	Color
R _Y B	190, 119, 255
Decimal	12482559
CIE Lab	63.00, 52.80, -57.88
CIE LCh	63, 78.341, 312.374
Yxy	31.5869, 0.2609, 0.1781
Android (android.graphics.Color)	4290672639 (0xFFBE77FF)
YUV	155.7330, 48.9386, 30.0522
Hunter-Lab	56.2022, 48.5859, -65.6260

Details

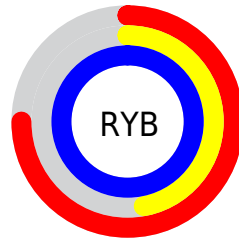
The CIELCh color `63, 78.341, 312.374` is a light color, and the websafe version is hex `CC66FF`. A complement of this color would be `93, 72.007, 127.469`, and the grayscale version is `64, 0.008, 296.813`.

A 20% lighter version of the original color is `80, 50.334, 324.067`, and `43, 77.476, 312.526` is the 20% darker color. If you saturate the color by 10%, you get `57, 91.687, 312.937`, and if you desaturate by 10%, it is `70, 62.873, 312.037`.

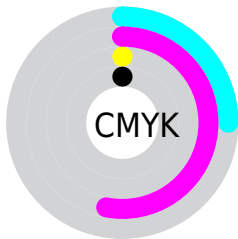
Distribution



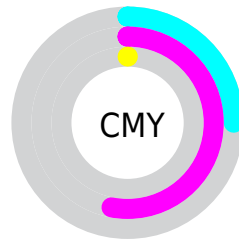
- Red (75%)
- Green (47%)
- Blue (100%)



- Red (75%)
- Yellow (47%)
- Blue (100%)



- Cyan (25%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)




- Cyan (25%)
- Magenta (53%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 78.341, 312.374 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 63, 78.341, 312.374 by changing the saturation by 10% instead.


 63, 78.341,
312.374


 63, 78.341,
312.374


 100, 78.341,
312.374


 53, 78.341,
312.374


 83, 78.341,
312.374

 43, 78.341,
312.374

 93, 78.341,
312.374

 33, 78.341,
312.374

 23, 78.341,
312.374

 13, 78.341,
312.374

 3, 78.341, 312.374

 0, 78.341, 312.374

63, 78.341,
312.374

63, 78.341,
312.374

57, 91.687,
312.937

70, 62.873,
312.037

51, 104.331,
313.176

76, 47.945,
311.512

47, 114.585,
313.142

83, 33.134,
310.992

43, 121.504,
312.724

91, 18.611,
310.496

42, 124.388,
312.239

98, 4.464, 310.014

100, 0.012,
296.813

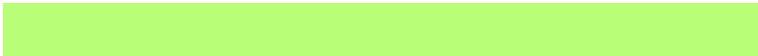
Harmonies

Complementary

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



63, 78.341, 312.374



93, 72.007, 127.469

Rectangle

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



63, 78.341, 312.374



63, 78.341, 2.374



63, 78.341, 132.374



63, 78.341, 182.374

Sweetspot

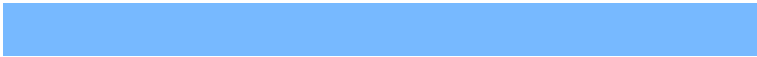
The Sweet Spot groups the original color and five complimentary colors.



63, 77.619, 312.530



89, 22.630, 310.631



73, 41.013, 267.843



46, 15.321, 310.733



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



63, 77.619, 312.530



56, 92.751, 312.963



71, 81.067, 327.695



49, 7.971, 310.319



31, 100.008, 312.435



6, 44.870, 313.546

Inverse Universe

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



68, 59.035, 351.156



63, 68.941, 353.232



90, 81.702, 140.343



50, 6.281, 345.750



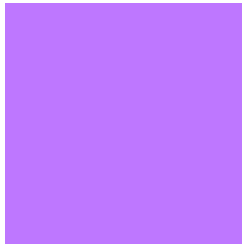
41, 68.056, 4.436



10, 31.661, 358.464

Previews

White Background



This preview shows how the CIELCh color 63, 78.341, 312.374 looks on a white background.

Color Contrast Check

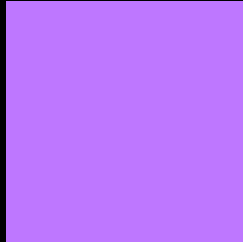
Large Text (above 18pt) WCAG AA × Fail

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 63, 78.341, 312.374 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

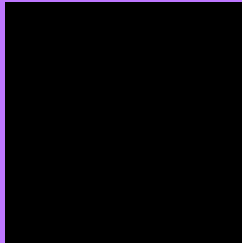
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 78.341, 312.374

Background



This preview shows how black text looks on a background with the CIELCh color 63, 78.341, 312.374.

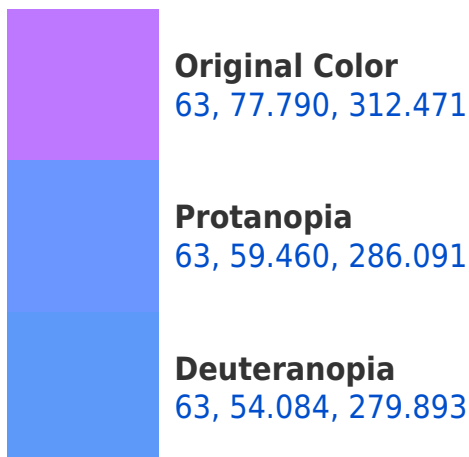


This preview shows how white text looks on a background with the CIELCh color 63, 78.341, 312.374.

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
63, 13.119, 350.094

Trichromacy



Original Color
63, 77.790, 312.471



Protanomaly
62, 65.415, 296.528



Deuteranomaly
62, 61.516, 293.244



Tritanomaly
62, 35.584, 319.250

Monochromacy



Original Color
63, 77.790, 312.471



Achromatopsia
64, 0.008, 296.813



Achromatomaly
63, 29.037, 311.302

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 78.341, 312.374 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(190, 119, 255)` looks like.

```
.text, #text, p{  
    color:rgb(190, 119, 255)  
}
```

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(190, 119, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 119, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 78.341, 312.374 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(190, 119, 255) }
```

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

```
.border{ border-color:rgb(190, 119, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 119, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 119, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 119, 255);  
box-shadow:4px 4px 4px 4px rgb(190, 119,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 78.341, 312.374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 119, 255) }
```

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

```
.background{ background-color: rgb(190,  
119, 255) }
```

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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