

Converting Colors

CIELCh(66, 104.397, 308.615)

Have a look what the booklet for
CIELCh(66, 104.397, 308.615)
contains.

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Color

CIELCh(63, 77.790, 312.471)

Conversions

Conversions Part 1

Format	Color
Hex	BF78FF
RGB	191, 120, 255
RGB Percent	75%, 47%, 100%
CMY	0.2527, 0.5314, 0.0000
CMYK	0.25, 0.53, 0.00, 0.00
HSL	271°, 100%, 73%
HSV	271°, 53%, 100%
XYZ	46.1686, 31.5869, 98.7402
YIQ	156.6190, -1.0190, 57.0370

Conversions

Conversions Part 2

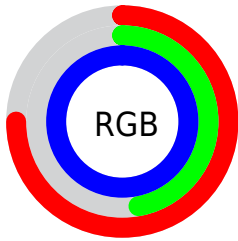
Format	Color
R_{YB}	191, 120, 255
Decimal	12548351
CIE _{Lab}	63.00, 52.53, -57.38
CIE _{LCh}	63, 77.790, 312.471
Yxy	31.5869, 0.2616, 0.1790
Android (android.graphics.Color)	4290738431 (0xFFBF78FF)
YUV	156.6190, 48.5018, 30.1521
Hunter-Lab	56.2022, 48.2789, -64.8234

Details

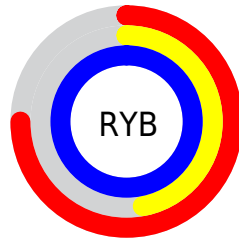
The CIELCh color $63, 77.790, 312.471$ is a light color, and the websafe version is hex `CC66FF`. A complement of this color would be $93, 71.920, 127.476$, and the grayscale version is $64, 0.008, 296.813$.

A 20% lighter version of the original color is $81, 49.870, 324.385$, and $43, 76.923, 312.620$ is the 20% darker color. If you saturate the color by 10%, you get $57, 91.589, 312.939$, and if you desaturate by 10%, it is $70, 62.766, 312.038$.

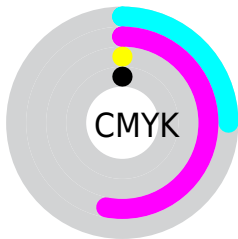
Distribution



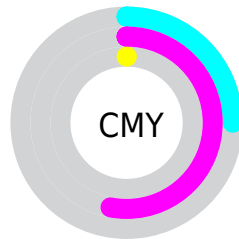
- Red (75%)
- Green (47%)
- Blue (100%)



- 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, 77.790, 312.471 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, 77.790, 312.471 by changing the saturation by 10% instead.


 63, 77.790,
312.471


 63, 77.790,
312.471


 100, 77.790,
312.471


 53, 77.790,
312.471


 83, 77.790,
312.471

 43, 77.790,
312.471

 93, 77.790,
312.471

 33, 77.790,
312.471

 23, 77.790,
312.471

 13, 77.790,
312.471

 3, 77.790, 312.471

 0, 77.790, 312.471

63, 77.790,
312.471

63, 77.790,
312.471

57, 91.589,
312.939

70, 62.766,
312.038

51, 104.246,
313.179

76, 47.837,
311.513

47, 114.519,
313.147

83, 33.028,
310.993

43, 121.463,
312.732

91, 18.508,
310.497

42, 124.384,
312.242

98, 4.362, 310.015

100, 0.012,
296.813

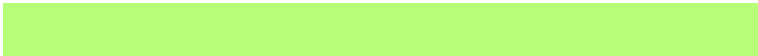
Harmonies

Complementary

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



63, 77.790, 312.471



93, 71.920, 127.476

Rectangle

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



63, 77.790, 312.471



63, 77.790, 2.471



63, 77.790, 132.471



63, 77.790, 182.471

Sweetspot

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



63, 77.514, 312.531



89, 22.631, 310.636



73, 40.958, 267.821



46, 15.321, 310.738



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, 77.514, 312.531



56, 92.751, 312.967



71, 80.972, 327.691



49, 7.971, 310.324



31, 100.005, 312.438



6, 44.869, 313.550

Inverse Universe

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



68, 58.959, 351.153



63, 68.936, 353.243



90, 81.603, 140.352



50, 6.281, 345.758



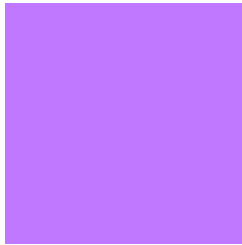
41, 68.055, 4.451



10, 31.660, 358.476

Previews

White Background



This preview shows how the CIELCh color 63, 77.790, 312.471 looks on a white background.

Color Contrast Check

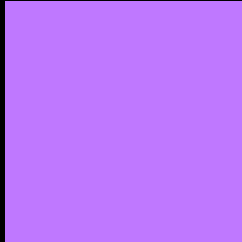
Large Text (above 18pt) WCAG AA × Fail

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, 77.790, 312.471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

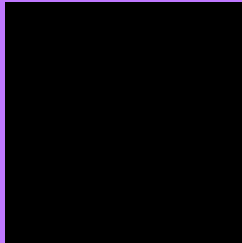
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 77.790, 312.471

Background



This preview shows how black text looks on a background with the CIELCh color 63, 77.790, 312.471.

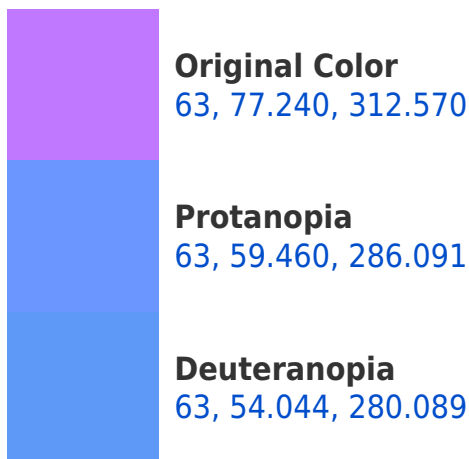



This preview shows how white text looks on a background with the CIELCh color 63, 77.790, 312.471.

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, 12.505, 351.340

Trichromacy



Original Color
63, 77.240, 312.570



Protanomaly
62, 65.415, 296.528



Deuteranomaly
62, 61.503, 293.474



Tritanomaly
63, 34.922, 319.101

Monochromacy



Original Color
63, 77.240, 312.570



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, 77.790, 312.471 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(191, 120, 255)` looks like.

```
.text, #text, p{  
    color:rgb(191, 120, 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(191, 120, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 120, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 77.790, 312.471 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(191, 120, 255) }
```

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

```
.border{ border-color:rgb(191, 120, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 120, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 120, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 120, 255);  
box-shadow:4px 4px 4px 4px rgb(191, 120,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 77.790, 312.471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 120, 255) }
```

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

```
.background{ background-color: rgb(191,  
120, 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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