

Converting Colors

CIELCh(63, 76.509, 311.539)

Have a look what the booklet for
CIELCh(63, 76.509, 311.539)
contains.

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Color

CIELCh(63, 76.509, 311.539)

Conversions

Conversions Part 1

Format	Color
Hex	BB79FF
RGB	187, 121, 255
RGB Percent	73%, 47%, 100%
CMY	0.2655, 0.5244, 0.0000
CMYK	0.27, 0.52, 0.00, 0.00
HSL	270°, 100%, 74%
HSV	270°, 52%, 100%
XYZ	45.5408, 31.5869, 98.5688
YIQ	156.0100, -3.6780, 55.6660

Conversions

Conversions Part 2

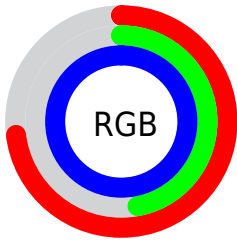
Format	Color
R _Y B	187, 121, 255
Decimal	12286463
CIE Lab	63.00, 50.74, -57.27
CIE LCh	63, 76.509, 311.539
Yxy	31.5869, 0.2592, 0.1798
Android (android.graphics.Color)	4290476543 (0xFFBB79FF)
YUV	156.0100, 48.8021, 27.1782
Hunter-Lab	56.2022, 46.2849, -64.6426

Details

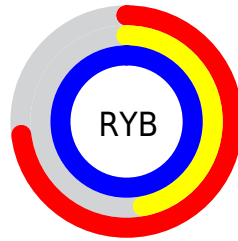
The CIELCh color $63, 76.509, 311.539$ is a light color, and the websafe version is hex `CC66FF`. A complement of this color would be $93, 70.457, 126.426$, and the grayscale version is $64, 0.008, 296.813$.

A 20% lighter version of the original color is $80, 48.650, 322.864$, and $43, 76.390, 311.613$ is the 20% darker color. If you saturate the color by 10%, you get $57, 90.628, 312.036$, and if you desaturate by 10%, it is $70, 61.515, 311.032$.

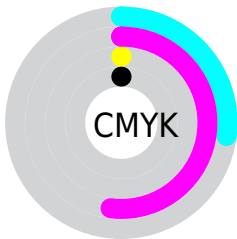
Distribution



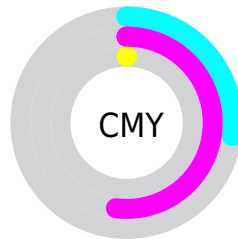
- Red (73%)
- Green (47%)
- Blue (100%)



- Red (73%)
- Yellow (47%)
- Blue (100%)



- Cyan (27%)
- Magenta (52%)
- Yellow (0%)
- Black (0%)





- Cyan (27%)
- Magenta (52%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 76.509, 311.539 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, 76.509, 311.539 by changing the saturation by 10% instead.


 63, 76.509,
311.539


 63, 76.509,
311.539


 100, 76.509,
311.539


 53, 76.509,
311.539


 83, 76.509,
311.539

 43, 76.509,
311.539

 93, 76.509,
311.539

 33, 76.509,
311.539

 23, 76.509,
311.539

 13, 76.509,
311.539

 3, 76.509, 311.539

 0, 76.509, 311.539

63, 76.509,
311.539

63, 76.509,
311.539

57, 90.628,
312.036

70, 61.515,
311.032

51, 103.623,
312.345

77, 46.584,
310.474

46, 114.355,
312.388

84, 31.830,
309.930

43, 121.798,
312.044

91, 17.400,
309.417

41, 125.221,
311.534

98, 3.368, 308.917

100, 0.012,
296.813

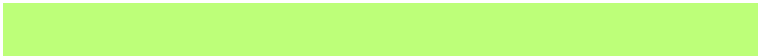
Harmonies

Complementary

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



63, 76.509, 311.539



93, 70.457, 126.426

Rectangle

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



63, 76.509, 311.539



63, 76.509, 1.539



63, 76.509, 131.539



63, 76.509, 181.539

Sweetspot

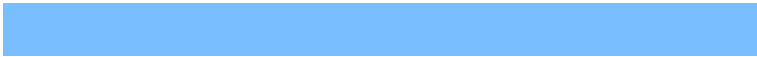
The Sweet Spot groups the original color and five complimentary colors.



63, 76.351, 311.571



88, 22.498, 309.596



75, 38.735, 263.889



46, 15.233, 309.701



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, 76.351, 311.571



56, 91.401, 312.058



71, 80.722, 326.662



49, 7.921, 309.273



30, 100.667, 311.729



6, 44.906, 312.706

Inverse Universe

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



69, 59.144, 349.097



64, 69.014, 350.961



90, 81.141, 139.707



50, 6.409, 344.071



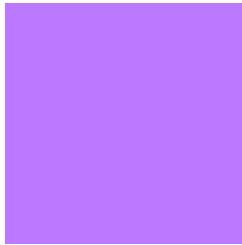
41, 68.317, 1.522



10, 31.929, 356.019

Previews

White Background



This preview shows how the CIELCh color 63, 76.509, 311.539 looks on a white background.

Color Contrast Check

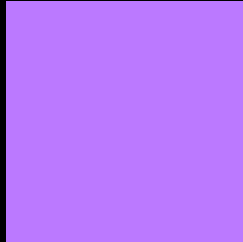
Large Text (above 18pt) WCAG AA × Fail

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, 76.509, 311.539 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

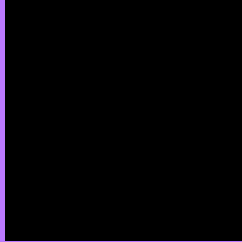
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 76.509, 311.539

Background



This preview shows how black text looks on a background with the CIELCh color 63, 76.509, 311.539.

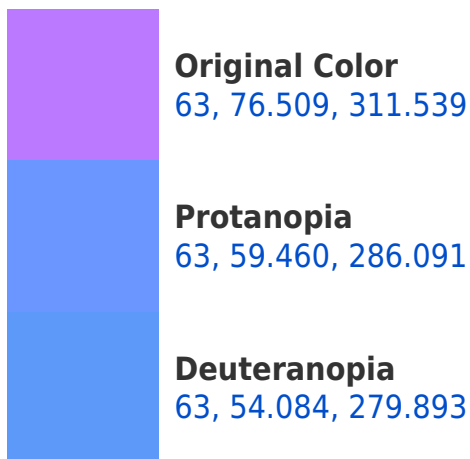


This preview shows how white text looks on a background with the CIELCh color 63, 76.509, 311.539.

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, 11.154, 347.161

Trichromacy



Original Color
63, 76.509, 311.539



Protanomaly
62, 64.814, 295.997



Deuteranomaly
62, 61.529, 293.016



Tritanomaly
62, 34.345, 316.853

Monochromacy



Original Color
63, 76.509, 311.539



Achromatopsia
64, 0.008, 296.813



Achromatomaly
63, 28.835, 309.938

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 76.509, 311.539 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, 121, 255)` looks like.

```
.text, #text, p{  
    color:rgb(187, 121, 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(187, 121, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 121, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 76.509, 311.539 is called "border". The border property can be set on classes, ids or directly on the HTML element.

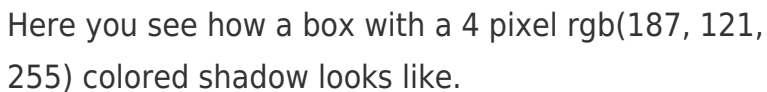
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 121, 255) }
```

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

```
.border{ border-color:rgb(187, 121, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 121, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 121, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 121, 255); box-shadow:4px 4px 4px 4px rgb(187, 121, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 76.509, 311.539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 121, 255) }
```

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

```
.background{ background-color: rgb(187,  
121, 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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