

Converting Colors

CIELCh(68, 121.017, 306.771)

Have a look what the booklet for
CIELCh(68, 121.017, 306.771)
contains.

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Color

CIELCh(62, 77.004, 311.004)

Conversions

Conversions Part 1

Format	Color
Hex	B777FE
RGB	183, 119, 254
RGB Percent	72%, 47%, 100%
CMY	0.2827, 0.5333, 0.0043
CMYK	0.28, 0.53, 0.00, 0.00
HSL	268°, 98%, 73%
HSV	268°, 53%, 100%
XYZ	43.9797, 30.4025, 97.2309
YIQ	153.5260, -5.1910, 55.5530

Conversions

Conversions Part 2

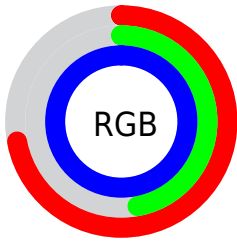
Format	Color
R _Y B	183, 119, 254
Decimal	12023806
CIE _{Lab}	62.00, 50.52, -58.11
CIE _{LCh}	62, 77.004, 311.004
Y _{xy}	30.4025, 0.2563, 0.1772
Android (android.graphics.Color)	4290213886 (0xFFB777FE)
YUV	153.5260, 49.5337, 25.8487
Hunter-Lab	55.1385, 45.8833, -65.9547

Details

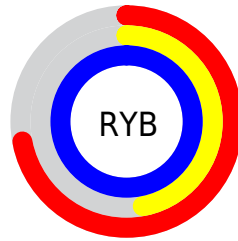
The CIELCh color `62, 77.004, 311.004` is a light color, and the websafe version is hex `9966FF`. A complement of this color would be `93, 70.670, 125.680`, and the grayscale version is `63, 0.008, 296.813`.

A 20% lighter version of the original color is `80, 49.321, 321.513`, and `42, 77.543, 311.026` is the 20% darker color. If you saturate the color by 10%, you get `56, 91.260, 311.497`, and if you desaturate by 10%, it is `69, 62.196, 310.438`.

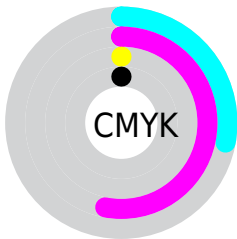
Distribution



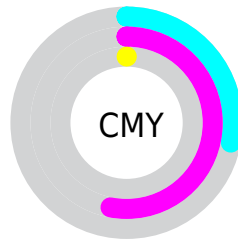
- Red (72%)
- Green (47%)
- Blue (100%)



- Red (72%)
- Yellow (47%)
- Blue (100%)



- Cyan (28%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)




- Cyan (28%)
- Magenta (53%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 77.004, 311.004 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 62, 77.004, 311.004 by changing the saturation by 10% instead.

 62, 77.004,
311.004

 62, 77.004,
311.004


 100, 77.004,
311.004

 52, 77.004,
311.004


 82, 77.004,
311.004

 42, 77.004,
311.004

 92, 77.004,
311.004

 32, 77.004,
311.004

 22, 77.004,
311.004

 12, 77.004,
311.004

 2, 77.004, 311.004

 0, 77.004, 311.004

62, 77.004,
311.004

62, 77.004,
311.004

56, 91.260,
311.497

69, 62.196,
310.438

50, 104.230,
311.832

76, 47.309,
309.856

45, 114.903,
311.891

83, 32.611,
309.291

42, 122.227,
311.550

90, 18.247,
308.761

40, 125.353,
311.098

97, 4.287, 308.257

100, 0.547,
109.996

Harmonies

Complementary

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



62, 77.004, 311.004



93, 70.670, 125.680

Rectangle

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



62, 77.004, 311.004



62, 77.004, 1.004



62, 77.004, 131.004



62, 77.004, 181.004

Sweetspot

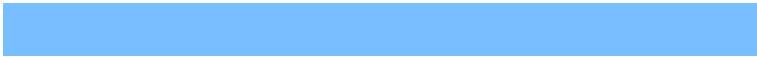
The Sweet Spot groups the original color and five complimentary colors.



62, 77.003, 311.004



88, 22.415, 308.909



75, 38.273, 262.125



46, 15.178, 309.018



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



62, 77.003, 311.004



55, 92.782, 311.535



70, 81.132, 326.181



49, 7.890, 308.579



29, 101.101, 311.290



6, 44.918, 312.159

Inverse Universe

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



68, 60.248, 347.971



63, 70.505, 349.834



90, 81.437, 139.314



50, 6.497, 343.004



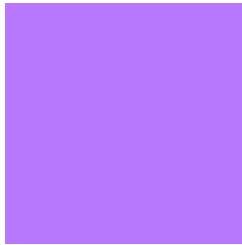
41, 68.600, 359.636



11, 32.141, 354.449

Previews

White Background



This preview shows how the CIELCh color 62, 77.004, 311.004 looks on a white background.

Color Contrast Check

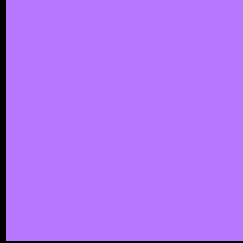
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 62, 77.004, 311.004 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

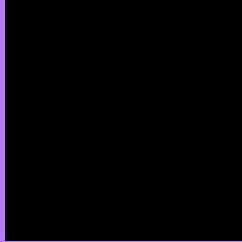
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 62, 77.004, 311.004

Background



This preview shows how black text looks on a background with the CIELCh color 62, 77.004, 311.004.

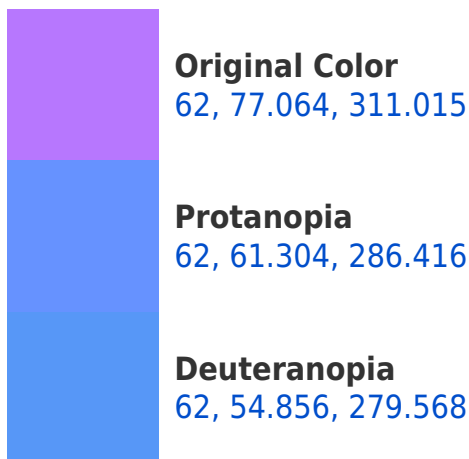


This preview shows how white text looks on a background with the CIELCh color 62, 77.004, 311.004.

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](#).

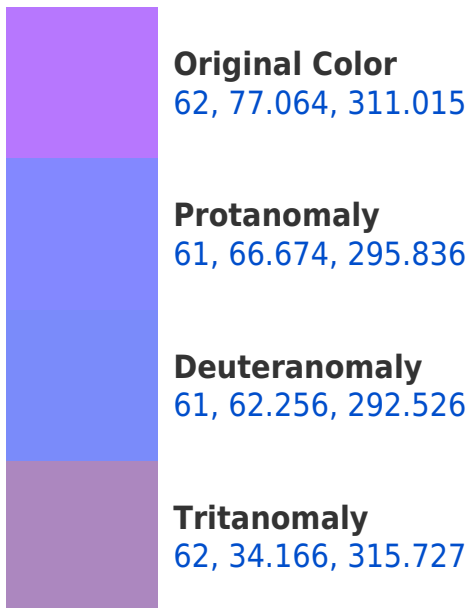
Dichromacy



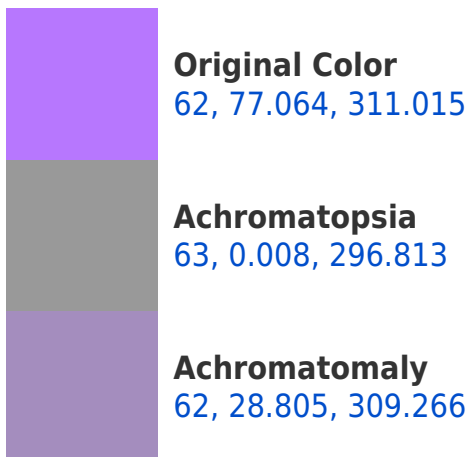


Tritanopia
62, 10.225, 343.393

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 77.004, 311.004 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(183, 119, 254)` looks like.

```
.text, #text, p{  
    color:rgb(183, 119, 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(183, 119, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 119, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 77.004, 311.004 is called "border". The border property can be set on classes, ids or directly on the HTML element.

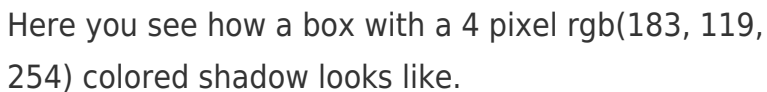
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(183, 119, 254) }
```

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

```
.border{ border-color:rgb(183, 119, 254) }
```

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



Here you see how a box with a 4 pixel `rgb(183, 119, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 119, 254); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 119, 254); box-shadow:4px 4px 4px 4px rgb(183, 119, 254) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 77.004, 311.004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 119, 254) }
```

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

```
.background{ background-color: rgb(183,  
119, 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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