

Converting Colors

CIELCh(62, 77.609, 313.506)

Have a look what the booklet for
CIELCh(62, 77.609, 313.506)
contains.

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Color

CIELCh(62, 77.609, 313.506)

Conversions

Conversions Part 1

Format	Color
Hex	BF74FB
RGB	191, 116, 251
RGB Percent	75%, 45%, 98%
CMY	0.2522, 0.5462, 0.0170
CMYK	0.24, 0.54, 0.00, 0.02
HSL	273°, 94%, 72%
HSV	273°, 54%, 98%
XYZ	44.9783, 30.4025, 94.4972
YIQ	153.8150, 1.3650, 57.8850

Conversions

Conversions Part 2

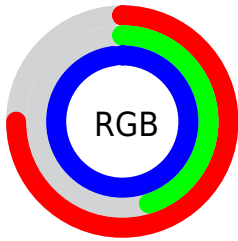
Format	Color
R _Y B	191, 116, 251
Decimal	12547323
CIE Lab	62.00, 53.43, -56.29
CIE LCh	62, 77.609, 313.506
Yxy	30.4025, 0.2648, 0.1790
Android (android.graphics.Color)	4290737403 (0xFFBF74FB)
YUV	153.8150, 47.9122, 32.6112
Hunter-Lab	55.1385, 49.1161, -63.0152

Details

The CIELCh color $62, 77.609, 313.506$ is a light color, and the websafe version is hex `CC66FF`. A complement of this color would be $91, 72.431, 128.512$, and the grayscale version is $63, 0.008, 296.813$.

A 20% lighter version of the original color is $80, 52.331, 324.546$, and $42, 77.570, 313.429$ is the 20% darker color. If you saturate the color by 10%, you get $56, 91.276, 313.861$, and if you desaturate by 10%, it is $68, 63.159, 313.054$.

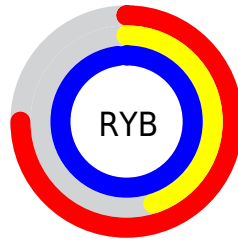
Distribution



Red (75%)

Green (45%)

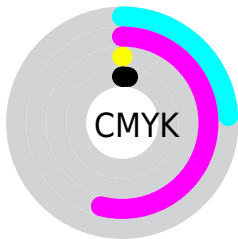
Blue (98%)



Red (75%)

Yellow (45%)

Blue (98%)

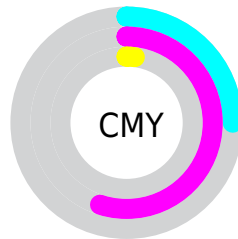


Cyan (24%)

Magenta (54%)

Yellow (0%)

Black (2%)



Cyan (25%)

Magenta (55%)


Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 77.609, 313.506 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, 77.609, 313.506 by changing the saturation by 10% instead.


 62, 77.609,
313.506

 62, 77.609,
313.506


 100, 77.609,
313.506

 52, 77.609,
313.506

 82, 77.609,
313.506

 42, 77.609,
313.506

 92, 77.609,
313.506

 32, 77.609,
313.506

 22, 77.609,
313.506

 12, 77.609,
313.506

 2, 77.609, 313.506

 0, 77.609, 313.506

62, 77.609,
313.506

62, 77.609,
313.506

56, 91.276,
313.861

68, 63.159,
313.054

51, 103.418,
314.040

75, 48.445,
312.562

47, 113.104,
313.944

82, 33.788,
312.064

43, 119.484,
313.473

89, 19.376,
311.583

42, 121.935,
313.022

96, 5.310, 311.115

100, 2.181,
109.980

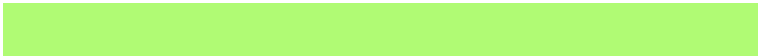
Harmonies

Complementary

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



62, 77.609, 313.506



91, 72.431, 128.512

Rectangle

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



62, 77.609, 313.506



62, 77.609, 3.506



62, 77.609, 133.506



62, 77.609, 183.506

Sweetspot

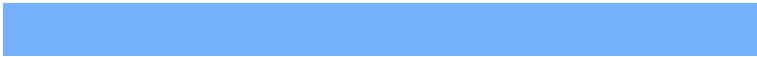
The Sweet Spot groups the original color and five complimentary colors.



62, 77.608, 313.506



89, 22.774, 311.686



71, 42.818, 271.457



46, 15.416, 311.784



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, 77.608, 313.506



56, 94.065, 313.894



69, 78.997, 328.754



48, 7.892, 311.381



31, 98.340, 313.217



6, 43.258, 314.300

Inverse Universe

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



67, 58.030, 353.322



63, 68.941, 355.666



89, 79.719, 141.125



49, 6.054, 347.546



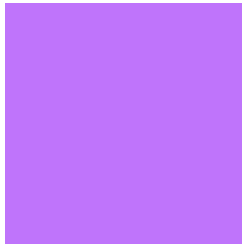
40, 67.329, 7.421



10, 30.652, 0.696

Previews

White Background



This preview shows how the CIELCh color 62, 77.609, 313.506 looks on a white background.

Color Contrast Check

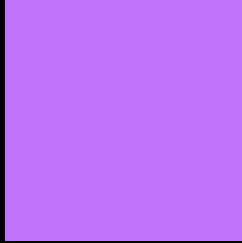
Large Text (above 18pt) WCAG AA × Fail

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 62, 77.609, 313.506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

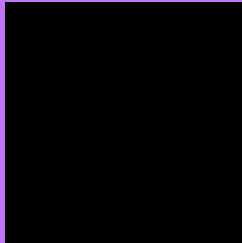
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 62, 77.609, 313.506

Background



This preview shows how black text looks on a background with the CIELCh color 62, 77.609, 313.506.

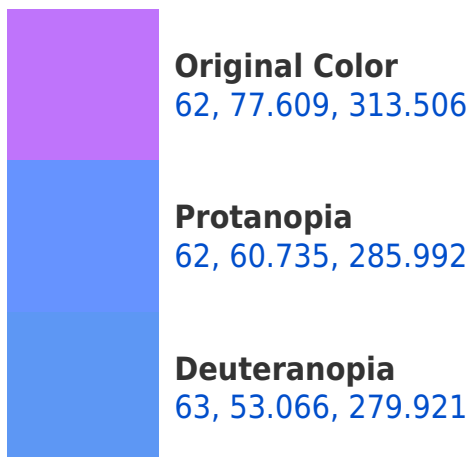


This preview shows how white text looks on a background with the CIELCh color 62, 77.609, 313.506.

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, 14.325, 355.539

Trichromacy



Original Color
62, 77.609, 313.506



Protanomaly
61, 65.567, 296.377



Deuteranomaly
61, 60.587, 294.140



Tritanomaly
62, 35.806, 321.856

Monochromacy



Original Color
62, 77.609, 313.506



Achromatopsia
64, 0.008, 296.813



Achromatomaly
62, 29.241, 311.998

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 77.609, 313.506 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, 116, 251)` looks like.

```
.text, #text, p{  
    color:rgb(191, 116, 251)  
}
```

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, 116, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 116, 251) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 77.609, 313.506 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, 116, 251) }
```

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

```
.border{ border-color:rgb(191, 116, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 116, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 116, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 116, 251);  
box-shadow:4px 4px 4px 4px rgb(191, 116,  
251) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 77.609, 313.506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 116, 251) }
```

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

```
.background{ background-color: rgb(191,  
116, 251) }
```

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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