

Converting Colors

CIELCh(67, 115.462, 305.849)

Have a look what the booklet for
CIELCh(67, 115.462, 305.849)
contains.

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Color

CIELCh(62, 75.590, 308.928)

Conversions

Conversions Part 1

Format	Color
Hex	B07AFF
RGB	176, 122, 255
RGB Percent	69%, 48%, 100%
CMY	0.3095, 0.5213, 0.0000
CMYK	0.31, 0.52, 0.00, 0.00
HSL	264°, 100%, 74%
HSV	264°, 52%, 100%
XYZ	42.9551, 30.4025, 98.2828
YIQ	153.3080, -10.5090, 52.8110

Conversions

Conversions Part 2

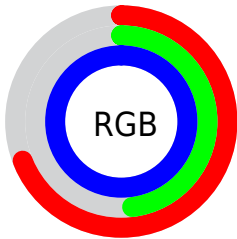
Format	Color
R _Y B	176, 122, 255
Decimal	11565823
CIE Lab	62.00, 47.50, -58.80
CIE LCh	62, 75.590, 308.928
Yxy	30.4025, 0.2503, 0.1771
Android (android.graphics.Color)	4289755903 (0xFFB07AFF)
YUV	153.3080, 50.1342, 19.9009
Hunter-Lab	55.1385, 42.5664, -67.0858

Details

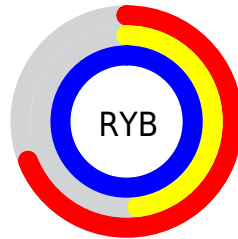
The CIELCh color $62, 75.590, 308.928$ is a light color, and the websafe version is hex $9966FF$. A complement of this color would be $94, 68.500, 123.177$, and the grayscale version is $63, 0.008, 296.813$.

A 20% lighter version of the original color is $80, 46.523, 318.547$, and $42, 75.339, 308.950$ is the 20% darker color. If you saturate the color by 10%, you get $55, 90.221, 309.579$, and if you desaturate by 10%, it is $69, 60.530, 308.247$.

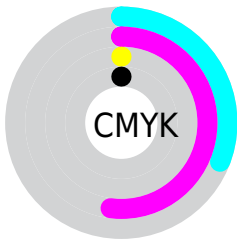
Distribution



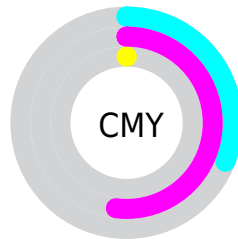
- Red (69%)
- Green (48%)
- Blue (100%)



- Red (69%)
- Yellow (48%)
- Blue (100%)



- Cyan (31%)
- Magenta (52%)
- Yellow (0%)
- Black (0%)





- Cyan (31%)
- Magenta (52%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 75.590, 308.928 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, 75.590, 308.928 by changing the saturation by 10% instead.

 62, 75.590,
308.928


 62, 75.590,
308.928


 100, 75.590,
308.928


 52, 75.590,
308.928


 82, 75.590,
308.928

 42, 75.590,
308.928

 92, 75.590,
308.928

 32, 75.590,
308.928

 22, 75.590,
308.928

 12, 75.590,
308.928

 2, 75.590, 308.928

 0, 75.590, 308.928

62, 75.590,
308.928

62, 75.590,
308.928

55, 90.221,
309.579

69, 60.530,
308.247

49, 103.851,
310.091

76, 45.587,
307.569

44, 115.390,
310.343

84, 30.938,
306.932

40, 123.616,
310.186

91, 16.690,
306.348

38, 127.578,
309.770

98, 2.888, 305.798

100, 0.012,
296.813

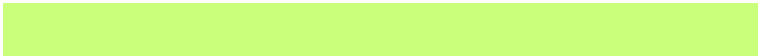
Harmonies

Complementary

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



62, 75.590, 308.928



94, 68.500, 123.177

Rectangle

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



62, 75.590, 308.928



62, 75.590, 358.928



62, 75.590, 128.928



62, 75.590, 178.928

Sweetspot

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



62, 75.546, 308.935



88, 22.158, 306.568



78, 35.084, 253.256



45, 15.009, 306.688



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, 75.546, 308.935



55, 91.466, 309.631



69, 79.249, 324.101



49, 7.793, 306.204



28, 102.542, 309.954



5, 44.901, 310.356

Inverse Universe

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



69, 61.742, 343.906



64, 72.165, 345.445



91, 78.880, 138.042



50, 6.807, 339.620



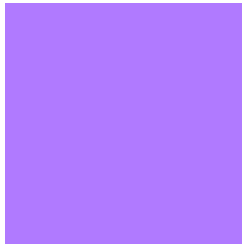
42, 70.167, 353.526



11, 33.051, 349.406

Previews

White Background



This preview shows how the CIELCh color 62, 75.590, 308.928 looks on a white background.

Color Contrast Check

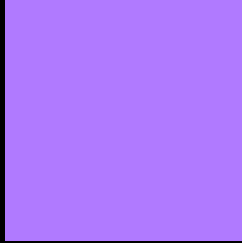
Large Text (above 18pt) WCAG AA × Fail

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, 75.590, 308.928 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

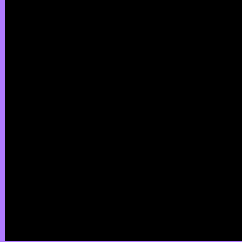
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 62, 75.590, 308.928

Background



This preview shows how black text looks on a background with the CIELCh color 62, 75.590, 308.928.

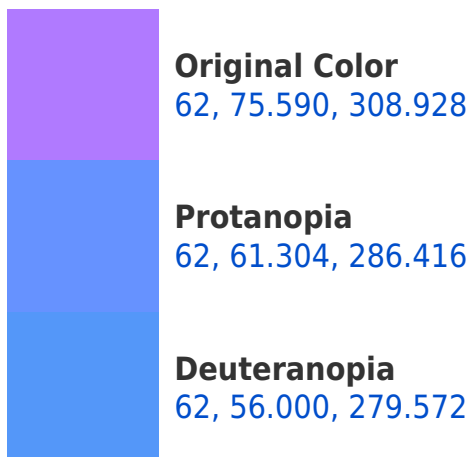



This preview shows how white text looks on a background with the CIELCh color 62, 75.590, 308.928.

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, 7.979, 322.523

Trichromacy



Original Color
62, 75.590, 308.928



Protanomaly
61, 66.086, 295.103



Deuteranomaly
61, 62.289, 291.193



Tritanomaly
61, 33.026, 309.872

Monochromacy



Original Color
62, 75.590, 308.928



Achromatopsia
63, 0.008, 296.813



Achromatomaly
62, 27.891, 306.742

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 75.590, 308.928 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(176, 122, 255)` looks like.

```
.text, #text, p{  
    color:rgb(176, 122, 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(176, 122, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 122, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 75.590, 308.928 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(176, 122, 255) }
```

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

```
.border{ border-color:rgb(176, 122, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 122, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 122, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 122, 255);  
box-shadow:4px 4px 4px 4px rgb(176, 122,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 75.590, 308.928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 122, 255) }
```

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

```
.background{ background-color: rgb(176,  
122, 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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