

Converting Colors

CIELCh(68, 118.235, 304.121)

Have a look what the booklet for
CIELCh(68, 118.235, 304.121)
contains.

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Color

CIELCh(62, 72.345, 305.804)

Conversions

Conversions Part 1

Format	Color
Hex	A67FFF
RGB	166, 127, 255
RGB Percent	65%, 50%, 100%
CMY	0.3500, 0.5029, 0.0010
CMYK	0.35, 0.50, 0.00, 0.00
HSL	258°, 100%, 75%
HSV	258°, 50%, 100%
XYZ	41.2409, 30.4025, 98.0835
YIQ	153.2530, -17.8440, 48.0760

Conversions

Conversions Part 2

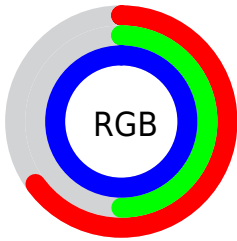
Format	Color
RYB	166, 127, 255
Decimal	10911743
CIELab	62.00, 42.32, -58.67
CIELCh	62, 72.345, 305.804
Yxy	30.4025, 0.2430, 0.1791
Android (android.graphics.Color)	4289101823 (0xFFA67FFF)
YUV	153.2530, 50.1613, 11.1791
Hunter-Lab	55.1385, 37.0170, -66.8715

Details

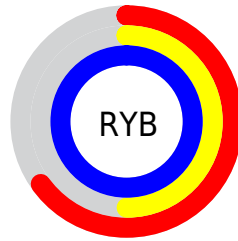
The CIELCh color **62, 72.345, 305.804** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **95, 64.683, 119.148**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **80, 42.124, 313.160**, and **42, 71.836, 305.732** is the 20% darker color. If you saturate the color by 10%, you get **55, 87.482, 306.729**, and if you desaturate by 10%, it is **69, 57.168, 304.893**.

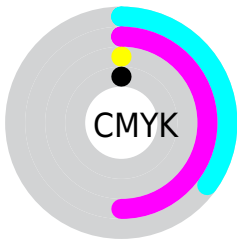
Distribution



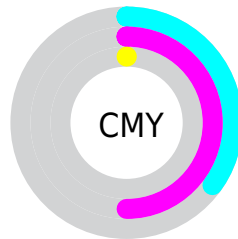
- Red (65%)
- Green (50%)
- Blue (100%)



- Red (65%)
- Yellow (50%)
- Blue (100%)



- Cyan (35%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)



- Cyan (35%)
- Magenta (50%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 72.345, 305.804 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, 72.345, 305.804 by changing the saturation by 10% instead.


 62, 72.345,
305.804

 62, 72.345,
305.804


 100, 72.345,
305.804


 52, 72.345,
305.804


 82, 72.345,
305.804

 42, 72.345,
305.804

 92, 72.345,
305.804

 32, 72.345,
305.804

 22, 72.345,
305.804

 12, 72.345,
305.804

 2, 72.345, 305.804

 0, 72.345, 305.804

62, 72.345,
305.804

62, 72.345,
305.804

55, 87.482,
306.729

69, 57.168,
304.893

48, 101.963,
307.578

77, 42.273,
304.041

43, 114.736,
308.211

85, 27.804,
303.269

38, 124.367,
308.442

92, 13.818,
302.583

36, 129.958,
308.209

100, 0.322,
301.801

100, 0.120,
109.523

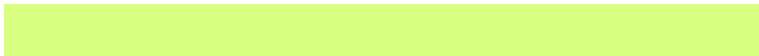
Harmonies

Complementary

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



62, 72.345, 305.804



95, 64.683, 119.148

Rectangle

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



62, 72.345, 305.804



62, 72.345, 355.804



62, 72.345, 125.804



62, 72.345, 175.804

Sweetspot

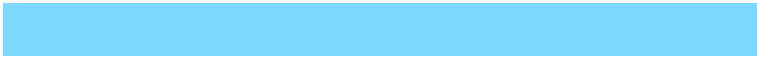
The Sweet Spot groups the original color and five complimentary colors.



62, 72.344, 305.804



89, 20.438, 302.900



82, 31.774, 238.220



46, 13.996, 303.046



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, 72.344, 305.804



55, 87.203, 306.708



69, 75.456, 320.950



49, 7.673, 302.536



26, 104.540, 308.364



5, 44.762, 307.816

Inverse Universe

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



70, 63.603, 338.478



66, 73.890, 339.483



92, 74.006, 135.843



50, 7.316, 335.097



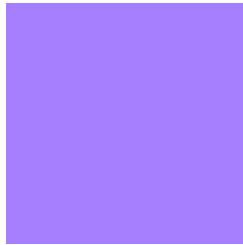
42, 74.100, 345.279



11, 34.918, 342.634

Previews

White Background



This preview shows how the CIELCh color 62, 72.345, 305.804 looks on a white background.

Color Contrast Check

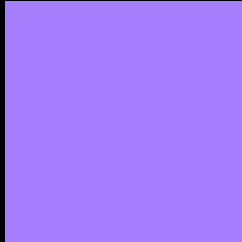
Large Text (above 18pt) WCAG AA × Fail

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, 72.345, 305.804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

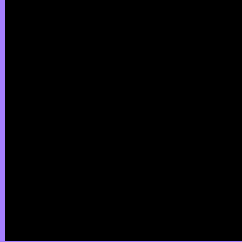
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 62, 72.345, 305.804

Background



This preview shows how black text looks on a background with the CIELCh color 62, 72.345, 305.804.

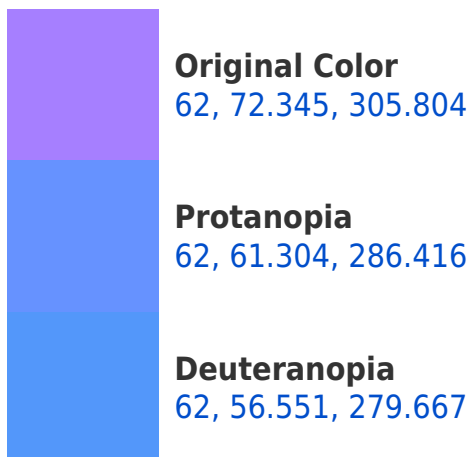


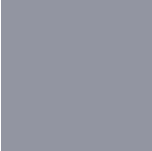
This preview shows how white text looks on a background with the CIELCh color 62, 72.345, 305.804.

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, 6.812, 281.511

Trichromacy



Original Color
62, 72.345, 305.804

Protanomaly
62, 64.927, 293.612

Deuteranomaly
62, 61.732, 289.725

Tritanomaly
61, 30.780, 300.997

Monochromacy



Original Color
62, 72.345, 305.804

Achromatopsia
63, 0.008, 296.813

Achromatomaly
62, 27.025, 304.075

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 72.345, 305.804 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(166, 127, 255)` looks like.

```
.text, #text, p{  
    color:rgb(166, 127, 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(166, 127, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 127, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 72.345, 305.804 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(166, 127, 255) }
```

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

```
.border{ border-color:rgb(166, 127, 255) }
```

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

Here you see how a box with a 4 pixel rgb(166, 127, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 127, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 127, 255);  
box-shadow:4px 4px 4px 4px rgb(166, 127,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 72.345, 305.804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 127, 255) }
```

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

```
.background{ background-color: rgb(166,  
127, 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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