

Converting Colors

CIELCh(62, 83.859, 315.501)

Have a look what the booklet for
CIELCh(62, 83.859, 315.501)
contains.

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Color

CIELCh(62, 83.807, 315.487)

Conversions

Conversions Part 1

Format	Color
Hex	C76DFF
RGB	199, 109, 255
RGB Percent	78%, 43%, 100%
CMY	0.2186, 0.5716, 0.0000
CMYK	0.22, 0.57, 0.00, 0.00
HSL	277°, 100%, 71%
HSV	277°, 57%, 100%
XYZ	47.2076, 30.4025, 98.2073
YIQ	152.5540, 6.7740, 64.4860

Conversions

Conversions Part 2

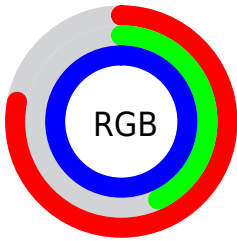
Format	Color
R _Y B	199, 109, 255
Decimal	13069823
CIE Lab	62.00, 59.76, -58.75
CIE LCh	62, 83.807, 315.487
Yxy	30.4025, 0.2685, 0.1729
Android (android.graphics.Color)	4291259903 (0xFFC76DFF)
YUV	152.5540, 50.5059, 40.7331
Hunter-Lab	55.1385, 56.3329, -67.0046

Details

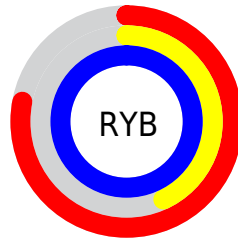
The CIELCh color $62, 83.807, 315.487$ is a light color, and the websafe version is hex `CC66FF`. A complement of this color would be $92, 78.915, 130.387$, and the grayscale version is $63, 0.008, 296.813$.

A 20% lighter version of the original color is $79, 56.738, 326.377$, and $42, 83.451, 315.448$ is the 20% darker color. If you saturate the color by 10%, you get $56, 96.767, 315.756$, and if you desaturate by 10%, it is $68, 69.417, 315.155$.

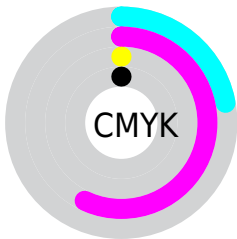
Distribution



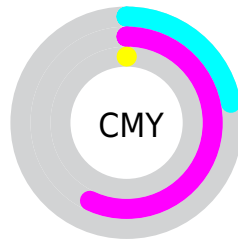
- Red (78%)
- Green (43%)
- Blue (100%)



- Red (78%)
- Yellow (43%)
- Blue (100%)



- Cyan (22%)
- Magenta (57%)
- Yellow (0%)
- Black (0%)





- Cyan (22%)
- Magenta (57%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 83.807, 315.487 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, 83.807, 315.487 by changing the saturation by 10% instead.

 62, 83.807,
315.487


 62, 83.807,
315.487


 100, 83.807,
315.487

 52, 83.807,
315.487


 82, 83.807,
315.487

 42, 83.807,
315.487

 92, 83.807,
315.487

 32, 83.807,
315.487

 22, 83.807,
315.487

 12, 83.807,
315.487

 2, 83.807, 315.487

 0, 83.807, 315.487

■ 62, 83.807,
315.487

■ 62, 83.807,
315.487

■ 56, 96.767,
315.756

■ 68, 69.417,
315.155

■ 52, 107.861,
315.786

■ 74, 54.593,
314.721

■ 48, 116.091,
315.522

■ 81, 39.628,
314.260

■ 45, 120.898,
314.897

■ 88, 24.786,
313.799

■ 45, 121.892,
314.685

■ 95, 10.221,
313.348

■ 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, 83.807, 315.487



92, 78.915, 130.387

Rectangle

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



62, 83.807, 315.487



62, 83.807, 5.487



62, 83.807, 135.487



62, 83.807, 185.487

Sweetspot

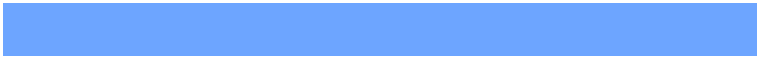
The Sweet Spot groups the original color and five complimentary colors.



62, 83.682, 315.519



88, 24.551, 313.792



68, 50.717, 278.540



45, 16.458, 313.884



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, 83.682, 315.519



56, 98.985, 315.779



68, 80.483, 331.198



49, 8.139, 313.454



33, 98.042, 314.872



7, 44.590, 316.164

Inverse Universe

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



66, 60.674, 358.336



61, 70.884, 1.368



90, 81.502, 142.513



50, 5.926, 351.338



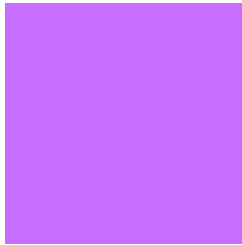
41, 68.579, 13.514



10, 31.283, 6.290

Previews

White Background



This preview shows how the CIELCh color 62, 83.807, 315.487 looks on a white background.

Color Contrast Check

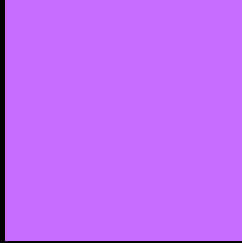
Large Text (above 18pt) WCAG AA × Fail

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, 83.807, 315.487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

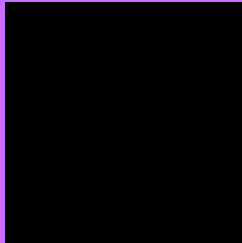
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 62, 83.807, 315.487

Background



This preview shows how black text looks on a background with the CIELCh color 62, 83.807, 315.487.



This preview shows how white text looks on a background with the CIELCh color 62, 83.807, 315.487.

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, 18.335, 3.720

Trichromacy



Original Color
62, 83.807, 315.487



Protanomaly
61, 68.466, 297.986



Deuteranomaly
61, 63.987, 294.877



Tritanomaly
61, 39.308, 326.614

Monochromacy



Original Color
62, 83.807, 315.487



Achromatopsia
63, 0.008, 296.813



Achromatomaly
62, 32.089, 314.436

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 83.807, 315.487 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(199, 109, 255)` looks like.

```
.text, #text, p{  
    color:rgb(199, 109, 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(199, 109, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 109, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 83.807, 315.487 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(199, 109, 255) }
```

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

```
.border{ border-color:rgb(199, 109, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 109, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 109, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 109, 255);  
box-shadow:4px 4px 4px 4px rgb(199, 109,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 83.807, 315.487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 109, 255) }
```

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

```
.background{ background-color: rgb(199,  
109, 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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