

Converting Colors

CIELCh(67, 119.183, 311.250)

Have a look what the booklet for
CIELCh(67, 119.183, 311.250)
contains.

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Color

CIELCh(63, 85.227, 317.530)

Conversions

Conversions Part 1

Format	Color
Hex	D16CFF
RGB	209, 108, 255
RGB Percent	82%, 42%, 100%
CMY	0.1800, 0.5764, 0.0000
CMYK	0.18, 0.58, 0.00, 0.00
HSL	281°, 100%, 71%
HSV	281°, 58%, 100%
XYZ	49.9094, 31.5869, 98.9947
YIQ	154.9570, 13.0090, 67.1290

Conversions

Conversions Part 2

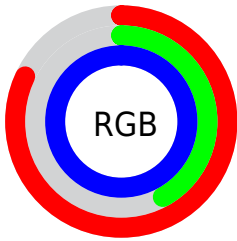
Format	Color
R _Y B	209, 108, 255
Decimal	13724927
CIE Lab	63.00, 62.87, -57.55
CIE LCh	63, 85.227, 317.530
Yxy	31.5869, 0.2765, 0.1750
Android (android.graphics.Color)	4291915007 (0xFFD16CFF)
YUV	154.9570, 49.3212, 47.3957
Hunter-Lab	56.2022, 60.1598, -65.0920

Details

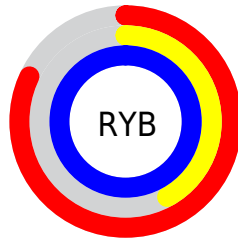
The CIELCh color **63, 85.227, 317.530** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **91, 81.164, 132.431**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **79, 57.340, 326.397**, and **43, 84.600, 317.737** is the 20% darker color. If you saturate the color by 10%, you get **58, 97.337, 317.864**, and if you desaturate by 10%, it is **69, 70.714, 317.365**.

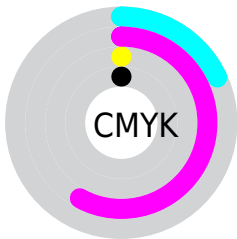
Distribution



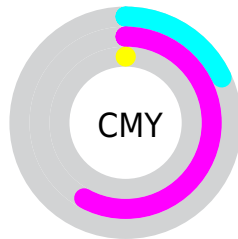
- Red (82%)
- Green (42%)
- Blue (100%)



- Red (82%)
- Yellow (42%)
- Blue (100%)



- Cyan (18%)
- Magenta (58%)
- Yellow (0%)
- Black (0%)





- Cyan (18%)
- Magenta (58%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 85.227, 317.530 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 63, 85.227, 317.530 by changing the saturation by 10% instead.


 63, 85.227,
317.530


 63, 85.227,
317.530


 100, 85.227,
317.530


 53, 85.227,
317.530


 83, 85.227,
317.530

 43, 85.227,
317.530

 93, 85.227,
317.530

 33, 85.227,
317.530

 23, 85.227,
317.530

 13, 85.227,
317.530

 3, 85.227, 317.530

 0, 85.227, 317.530

63, 85.227,
317.530

63, 85.227,
317.530

58, 97.337,
317.864

69, 70.714,
317.365

53, 107.774,
317.846

75, 55.960,
316.969

50, 115.264,
317.557

81, 40.921,
316.534

48, 119.441,
316.950

88, 25.906,
316.088

47, 120.166,
316.785

95, 11.104,
315.643

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.



63, 85.227, 317.530



91, 81.164, 132.431

Rectangle

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



63, 85.227, 317.530



63, 85.227, 7.530



63, 85.227, 137.530



63, 85.227, 187.530

Sweetspot

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



63, 84.722, 317.681



88, 24.952, 316.060



65, 56.331, 283.770



46, 16.721, 316.149



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



63, 84.722, 317.681



57, 98.904, 317.875



68, 77.486, 333.788



49, 8.281, 315.726



35, 96.687, 316.954



8, 44.175, 318.151

Inverse Universe

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



65, 60.119, 3.632



60, 70.273, 6.882



90, 78.362, 144.429



50, 5.701, 355.962



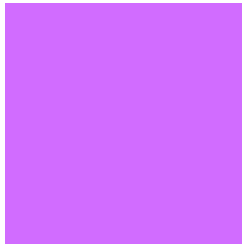
40, 70.276, 20.139



10, 31.413, 11.871

Previews

White Background



This preview shows how the CIELCh color 63, 85.227, 317.530 looks on a white background.

Color Contrast Check

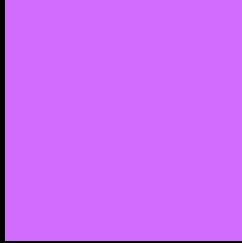
Large Text (above 18pt) WCAG AA × Fail

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 63, 85.227, 317.530 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 63, 85.227, 317.530

Background



This preview shows how black text looks on a background with the CIELCh color 63, 85.227, 317.530.

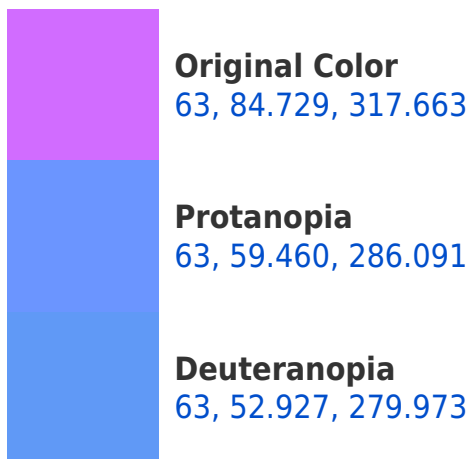


This preview shows how white text looks on a background with the CIELCh color 63, 85.227, 317.530.

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
63, 23.143, 6.695

Trichromacy



Original Color
63, 84.729, 317.663



Protanomaly
62, 67.842, 299.235



Deuteranomaly
62, 62.769, 296.563



Tritanomaly
62, 42.657, 331.594

Monochromacy



Original Color
63, 84.729, 317.663



Achromatopsia
64, 0.008, 296.813



Achromatomaly
63, 32.555, 316.851

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 85.227, 317.530 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(209, 108, 255)` looks like.

```
.text, #text, p{  
    color:rgb(209, 108, 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(209, 108, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 108, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 85.227, 317.530 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(209, 108, 255) }
```

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

```
.border{ border-color:rgb(209, 108, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 108, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(209, 108, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(209, 108, 255); box-shadow:4px 4px 4px 4px rgb(209, 108, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 85.227, 317.530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 108, 255) }
```

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

```
.background{ background-color: rgb(209,  
108, 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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