

Converting Colors

CIELCh(63, 90.328, 320.732)

Have a look what the booklet for
CIELCh(63, 90.328, 320.732)
contains.

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Color

CIELCh(63, 89.928, 320.883)

Conversions

Conversions Part 1

Format	Color
Hex	DE63FF
RGB	222, 99, 255
RGB Percent	87%, 39%, 100%
CMY	0.1303, 0.6125, 0.0008
CMYK	0.13, 0.61, 0.00, 0.00
HSL	287°, 100%, 69%
HSV	287°, 61%, 100%
XYZ	52.5167, 31.5869, 97.7591
YIQ	153.5610, 23.2320, 74.5920

Conversions

Conversions Part 2

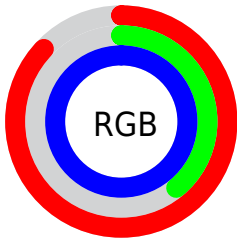
Format	Color
R _Y B	222, 99, 255
Decimal	14574591
CIE Lab	63.00, 69.77, -56.74
CIE LCh	63, 89.928, 320.883
Yxy	31.5869, 0.2888, 0.1737
Android (android.graphics.Color)	4292764671 (0xFFDE63FF)
YUV	153.5610, 50.0094, 60.0210
Hunter-Lab	56.2022, 68.4406, -63.7884

Details

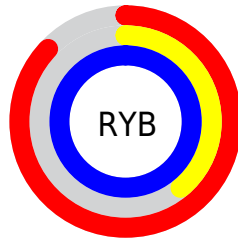
The CIELCh color **63, 89.928, 320.883** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **90, 87.997, 134.851**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **77, 61.517, 326.536**, and **43, 89.821, 320.917** is the 20% darker color. If you saturate the color by 10%, you get **59, 101.227, 321.001**, and if you desaturate by 10%, it is **68, 76.727, 320.622**.

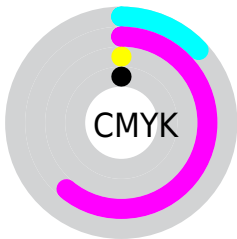
Distribution



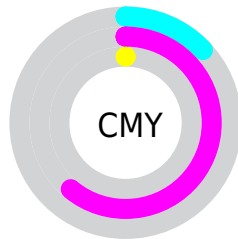
- Red (87%)
- Green (39%)
- Blue (100%)



- Red (87%)
- Yellow (39%)
- Blue (100%)



- Cyan (13%)
- Magenta (61%)
- Yellow (0%)
- Black (0%)





- Cyan (13%)
- Magenta (61%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 89.928, 320.883 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, 89.928, 320.883 by changing the saturation by 10% instead.

 63, 89.928,
320.883


 63, 89.928,
320.883


 100, 89.928,
320.883


 53, 89.928,
320.883


 83, 89.928,
320.883

 43, 89.928,
320.883

 93, 89.928,
320.883

 33, 89.928,
320.883

 23, 89.928,
320.883

 13, 89.928,
320.883

 3, 89.928, 320.883

 0, 89.928, 320.883

63, 89.928,
320.883

63, 89.928,
320.883

59, 101.227,
321.001

68, 76.727,
320.622

55, 109.912,
320.926

74, 62.325,
320.265

53, 115.466,
320.614

80, 47.285,
319.849

51, 117.973,
320.155

86, 32.019,
319.403

92, 16.806,
318.946

99, 1.822, 318.383

100, 0.095,
109.357

Harmonies

Complementary

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



63, 89.928, 320.883



90, 87.997, 134.851

Rectangle

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



63, 89.928, 320.883



63, 89.928, 10.883



63, 89.928, 140.883



63, 89.928, 190.883

Sweetspot

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



63, 89.926, 320.883



88, 27.118, 319.256



59, 69.110, 290.943



45, 18.880, 319.389



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, 89.926, 320.883



58, 103.048, 321.003



66, 76.022, 338.560



50, 8.506, 318.866



38, 95.027, 320.283



9, 43.555, 321.178

Inverse Universe

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



63, 63.281, 12.373



59, 74.312, 16.415



90, 76.558, 147.253



50, 5.452, 3.211



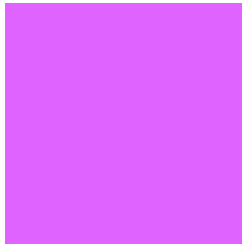
40, 74.382, 28.716



10, 31.916, 18.142

Previews

White Background



This preview shows how the CIELCh color 63, 89.928, 320.883 looks on a white background.

Color Contrast Check

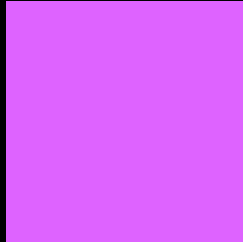
Large Text (above 18pt) WCAG AA × Fail

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, 89.928, 320.883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

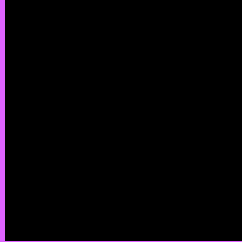
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 89.928, 320.883

Background



This preview shows how black text looks on a background with the CIELCh color 63, 89.928, 320.883.

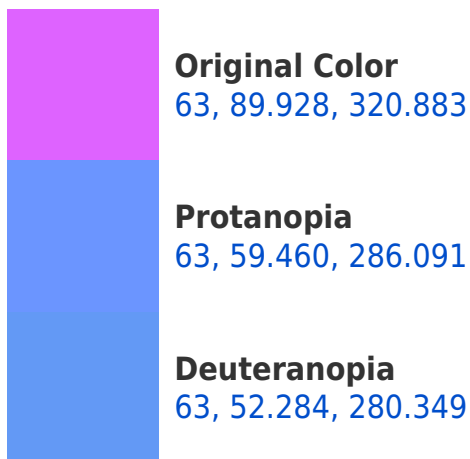


This preview shows how white text looks on a background with the CIELCh color 63, 89.928, 320.883.

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, 30.906, 12.645

Trichromacy



Original Color
63, 89.928, 320.883



Protanomaly
62, 69.697, 301.115



Deuteranomaly
61, 65.218, 299.416



Tritanomaly
62, 47.881, 338.669

Monochromacy



Original Color
63, 89.928, 320.883



Achromatopsia
63, 0.008, 296.813



Achromatomaly
62, 35.798, 319.805

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 89.928, 320.883 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(222, 99, 255)` looks like.

```
.text, #text, p{  
    color:rgb(222, 99, 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(222, 99, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 99, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 89.928, 320.883 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(222, 99, 255) }
```

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

```
.border{ border-color:rgb(222, 99, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 99, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 99, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 99, 255);  
box-shadow:4px 4px 4px 4px rgb(222, 99,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 89.928, 320.883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 99, 255) }
```

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

```
.background{ background-color: rgb(222, 99,  
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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