

Converting Colors

CIELCh(63, 88.355, 319.858)

Have a look what the booklet for
CIELCh(63, 88.355, 319.858)
contains.

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Color

CIELCh(63, 88.254, 319.917)

Conversions

Conversions Part 1

Format	Color
Hex	DA66FF
RGB	218, 102, 255
RGB Percent	85%, 40%, 100%
CMY	0.1455, 0.6004, 0.0004
CMYK	0.15, 0.60, 0.00, 0.00
HSL	285°, 100%, 70%
HSV	285°, 60%, 100%
XYZ	51.6584, 31.5869, 97.8965
YIQ	154.1260, 20.0230, 72.1750

Conversions

Conversions Part 2

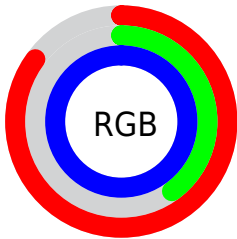
Format	Color
R _Y B	218, 102, 255
Decimal	14313215
CIE _{Lab}	63.00, 67.52, -56.83
CIE _{LCh}	63, 88.254, 319.917
Y _{xy}	31.5869, 0.2852, 0.1744
Android (android.graphics.Color)	4292503295 (0xFFDA66FF)
YUV	154.1260, 49.7309, 56.0175
Hunter-Lab	56.2022, 65.7148, -63.9334

Details

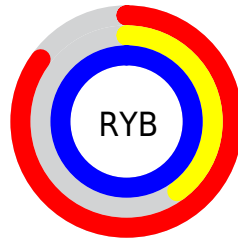
The CIELCh color **63, 88.254, 319.917** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **91, 85.807, 134.184**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **78, 60.331, 326.496**, and **43, 87.929, 320.077** is the 20% darker color. If you saturate the color by 10%, you get **58, 99.998, 320.049**, and if you desaturate by 10%, it is **68, 74.766, 319.644**.

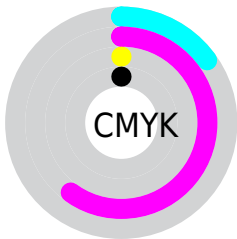
Distribution



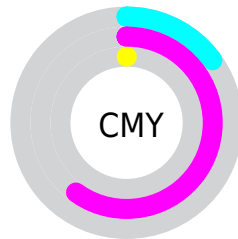
- Red (85%)
- Green (40%)
- Blue (100%)



- Red (85%)
- Yellow (40%)
- Blue (100%)



- Cyan (15%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)




- Cyan (15%)
- Magenta (60%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 88.254, 319.917 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, 88.254, 319.917 by changing the saturation by 10% instead.

 63, 88.254,
319.917


 63, 88.254,
319.917


 100, 88.254,
319.917


 53, 88.254,
319.917


 83, 88.254,
319.917

 43, 88.254,
319.917

 93, 88.254,
319.917

 33, 88.254,
319.917

 23, 88.254,
319.917

 13, 88.254,
319.917

 3, 88.254, 319.917

 0, 88.254, 319.917

■ 63, 88.254,
319.917

■ 63, 88.254,
319.917

■ 58, 99.998,
320.049

■ 68, 74.766,
319.644

■ 55, 109.255,
319.983

■ 74, 60.225,
319.278

■ 52, 115.418,
319.668

■ 80, 45.164,
318.858

■ 50, 118.594,
319.104

■ 87, 29.963,
318.415

■ 93, 14.870,
317.963

100, 0.041,
311.746

100, 0.039,
108.219

Harmonies

Complementary

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



63, 88.254, 319.917



91, 85.807, 134.184

Rectangle

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



63, 88.254, 319.917



63, 88.254, 9.917



63, 88.254, 139.917



63, 88.254, 189.917

Sweetspot

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



63, 88.252, 319.917



88, 26.908, 318.324



61, 64.627, 288.732



45, 18.737, 318.454



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, 88.252, 319.917



58, 102.083, 320.053



66, 76.530, 336.863



50, 8.436, 317.940



37, 95.483, 319.245



9, 43.725, 320.241

Inverse Universe

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



64, 62.041, 9.674



59, 73.020, 13.603



90, 77.245, 146.265



50, 5.517, 0.966



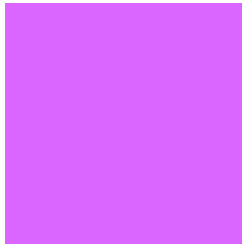
40, 72.981, 26.300



10, 31.744, 16.471

Previews

White Background



This preview shows how the CIELCh color 63, 88.254, 319.917 looks on a white background.

Color Contrast Check

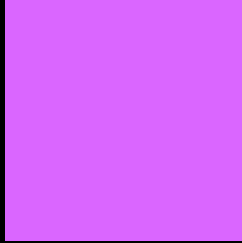
Large Text (above 18pt) WCAG AA × Fail

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, 88.254, 319.917 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

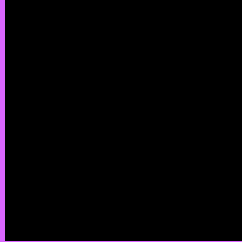
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 88.254, 319.917

Background



This preview shows how black text looks on a background with the CIELCh color 63, 88.254, 319.917.



This preview shows how white text looks on a background with the CIELCh color 63, 88.254, 319.917.

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



Original Color
63, 88.254, 319.917

Protanopia
63, 59.460, 286.091

Deuteranopia
63, 52.326, 280.133



Tritanopia
63, 28.402, 11.391

Trichromacy



Original Color
63, 88.254, 319.917



Protanomaly
62, 69.075, 300.423



Deuteranomaly
61, 64.599, 298.659



Tritanomaly
62, 45.883, 336.475

Monochromacy



Original Color
63, 88.254, 319.917



Achromatopsia
64, 0.008, 296.813



Achromatomaly
62, 34.818, 318.551

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 88.254, 319.917 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(218, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(218, 102, 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(218, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 102, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 88.254, 319.917 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(218, 102, 255) }
```

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

```
.border{ border-color:rgb(218, 102, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(218, 102,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 88.254, 319.917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 102, 255) }
```

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

```
.background{ background-color: rgb(218,  
102, 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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