

Converting Colors

CIELCh(63, 88.214, 319.722)

Have a look what the booklet for
CIELCh(63, 88.214, 319.722)
contains.

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Color

CIELCh(63, 88.213, 319.714)

Conversions

Conversions Part 1

Format	Color
Hex	D966FF
RGB	217, 102, 255
RGB Percent	85%, 40%, 100%
CMY	0.1479, 0.5989, 0.0000
CMYK	0.15, 0.60, 0.00, 0.00
HSL	285°, 100%, 70%
HSV	285°, 60%, 100%
XYZ	51.5700, 31.5869, 98.2200
YIQ	153.8270, 19.4270, 71.9630

Conversions

Conversions Part 2

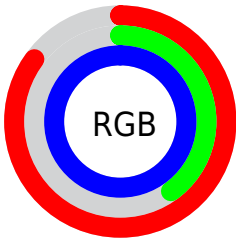
Format	Color
RYB	217, 102, 255
Decimal	14247679
CIELab	63.00, 67.29, -57.04
CIElCh	63, 88.213, 319.714
Yxy	31.5869, 0.2843, 0.1742
Android (android.graphics.Color)	4292437759 (0xFFD966FF)
YUV	153.8270, 49.8783, 55.4027
Hunter-Lab	56.2022, 65.4339, -64.2746

Details

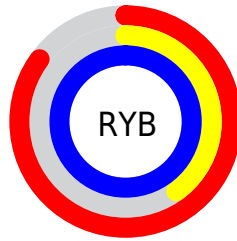
The CIELCh color $63, 88.213, 319.714$ is a light color, and the websafe version is hex `CC66FF`. A complement of this color would be $91, 85.553, 134.063$, and the grayscale version is $63, 0.008, 296.813$.

A 20% lighter version of the original color is $78, 60.331, 326.496$, and $43, 87.953, 319.873$ is the 20% darker color. If you saturate the color by 10%, you get $58, 99.893, 319.889$, and if you desaturate by 10%, it is $68, 74.562, 319.480$.

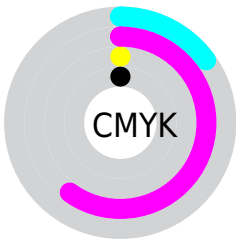
Distribution



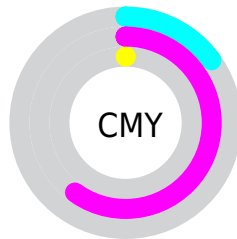
- Red (85%)
- Green (40%)
- Blue (100%)



- 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, 88.213, 319.714 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, 88.213, 319.714 by changing the saturation by 10% instead.

 63, 88.213,
319.714

 63, 88.213,
319.714

 100, 88.213,
319.714

 53, 88.213,
319.714


 83, 88.213,
319.714

 43, 88.213,
319.714

 93, 88.213,
319.714

 33, 88.213,
319.714

 23, 88.213,
319.714

 13, 88.213,
319.714

 3, 88.213, 319.714

 0, 88.213, 319.714

■ 63, 88.213,
319.714

■ 63, 88.213,
319.714

■ 58, 99.893,
319.889

■ 68, 74.562,
319.480

■ 55, 109.226,
319.824

■ 74, 60.002,
319.113

■ 52, 115.469,
319.507

■ 80, 44.938,
318.693

■ 50, 118.705,
318.935

■ 87, 29.744,
318.250

■ 50, 118.733,
318.928

■ 93, 14.667,
317.799

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, 88.213, 319.714



91, 85.553, 134.063

Rectangle

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



63, 88.213, 319.714



63, 88.213, 9.714



63, 88.213, 139.714



63, 88.213, 189.714

Sweetspot

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



63, 88.087, 319.755



88, 26.873, 318.165



61, 64.500, 288.697



45, 18.714, 318.295



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, 88.087, 319.755



57, 102.088, 319.894



66, 76.430, 336.852



50, 8.424, 317.781



37, 95.564, 319.072



9, 43.755, 320.085

Inverse Universe

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



64, 61.939, 9.242



59, 72.964, 13.191



90, 77.129, 146.284



50, 5.529, 0.592



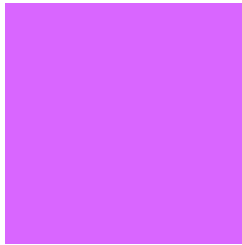
40, 72.756, 25.876



10, 31.716, 16.170

Previews

White Background



This preview shows how the CIELCh color 63, 88.213, 319.714 looks on a white background.

Color Contrast Check

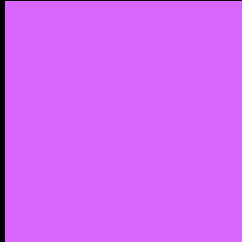
Large Text (above 18pt) WCAG AA × Fail

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, 88.213, 319.714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

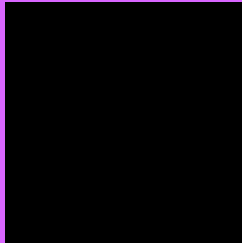
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 88.213, 319.714

Background



This preview shows how black text looks on a background with the CIELCh color 63, 88.213, 319.714.

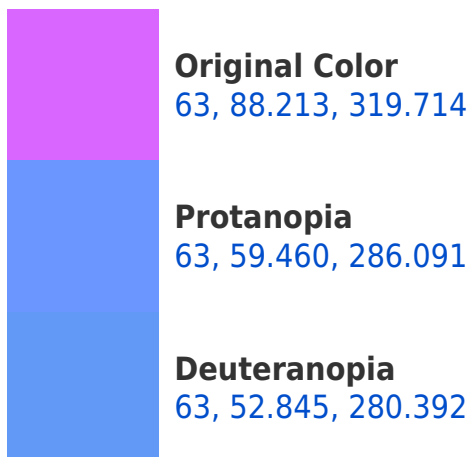


This preview shows how white text looks on a background with the CIELCh color 63, 88.213, 319.714.

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, 28.036, 10.053

Trichromacy



Original Color
63, 88.213, 319.714



Protanomaly
62, 69.075, 300.423



Deuteranomaly
62, 63.985, 298.129



Tritanomaly
62, 45.665, 336.084

Monochromacy



Original Color
63, 88.213, 319.714



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, 88.213, 319.714 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(217, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(217, 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(217, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 102, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 88.213, 319.714 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(217, 102, 255) }
```

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

```
.border{ border-color:rgb(217, 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(217, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(217, 102,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 88.213, 319.714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 102, 255) }
```

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

```
.background{ background-color: rgb(217,  
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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