

Converting Colors

CIELCh(66, 67.688, 317.605)

Have a look what the booklet for
CIELCh(66, 67.688, 317.605)
contains.

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Color

CIELCh(66, 67.642, 317.599)

Conversions

Conversions Part 1

Format	Color
Hex	D080F3
RGB	208, 128, 243
RGB Percent	82%, 50%, 95%
CMY	0.1843, 0.4980, 0.0470
CMYK	0.14, 0.47, 0.00, 0.05
HSL	282°, 83%, 73%
HSV	282°, 47%, 95%
XYZ	49.9149, 35.3238, 88.9886
YIQ	165.0300, 10.7650, 52.7250

Conversions

Conversions Part 2

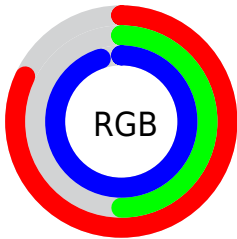
Format	Color
R _Y B	208, 128, 243
Decimal	13664499
CIE _{Lab}	66.00, 49.95, -45.61
CIE _{LCh}	66, 67.642, 317.599
Y _{xy}	35.3238, 0.2865, 0.2027
Android (android.graphics.Color)	4291854579 (0xFFD080F3)
Y _{UV}	165.0300, 38.4392, 37.6847
Hunter-Lab	59.4338, 45.9021, -47.1696

Details

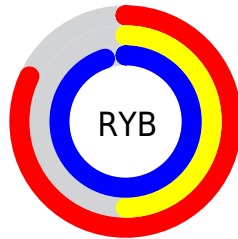
The CIELCh color `66, 67.642, 317.599` is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be `89, 65.289, 133.189`, and the grayscale version is `68, 0.008, 296.813`.

A 20% lighter version of the original color is `83, 45.110, 325.986`, and `46, 67.212, 317.511` is the 20% darker color. If you saturate the color by 10%, you get `60, 81.133, 317.916`, and if you desaturate by 10%, it is `72, 53.435, 317.205`.

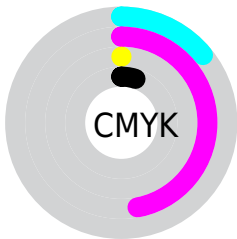
Distribution



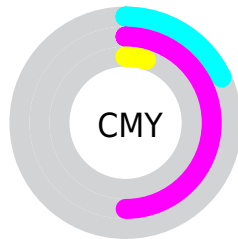
- Red (82%)
- Green (50%)
- Blue (95%)



- Red (82%)
- Yellow (50%)
- Blue (95%)



- Cyan (14%)
- Magenta (47%)
- Yellow (0%)
- Black (5%)





- Cyan (18%)
- Magenta (50%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 67.642, 317.599 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 66, 67.642, 317.599 by changing the saturation by 10% instead.

 66, 67.642,
317.599


 66, 67.642,
317.599


 100, 67.642,
317.599


 56, 67.642,
317.599


 86, 67.642,
317.599

 46, 67.642,
317.599

 96, 67.642,
317.599

 36, 67.642,
317.599

 26, 67.642,
317.599

 16, 67.642,
317.599

 6, 67.642, 317.599

 0, 67.642, 317.599

66, 67.642,
317.599

66, 67.642,
317.599

60, 81.133,
317.916

72, 53.435,
317.205

56, 93.304,
318.103

78, 38.959,
316.772

51, 103.408,
318.096

85, 24.504,
316.328

48, 110.714,
317.825

91, 10.253,
315.883

46, 114.850,
317.244

98, 3.689, 135.546

46, 115.665,
317.064

100, 6.150,
118.381

100, 6.068,
109.711

Harmonies

Complementary

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



66, 67.642, 317.599



89, 65.289, 133.189

Rectangle

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



66, 67.642, 317.599



66, 67.642, 7.599



66, 67.642, 137.599



66, 67.642, 187.599

Sweetspot

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



66, 67.640, 317.599



90, 20.528, 316.182



68, 43.973, 280.919



47, 14.202, 316.278



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



66, 67.640, 317.599



63, 83.912, 317.911



69, 62.904, 333.045



48, 8.024, 315.980



35, 94.607, 317.223



7, 41.581, 318.429

Inverse Universe

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



67, 47.703, 1.902



65, 59.420, 4.079



87, 63.013, 145.795



48, 5.491, 356.510



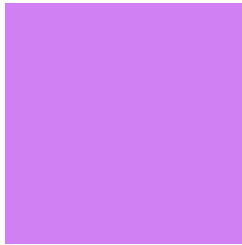
39, 69.090, 20.752



9, 29.669, 10.939

Previews

White Background



This preview shows how the CIELCh color 66, 67.642, 317.599 looks on a white background.

Color Contrast Check

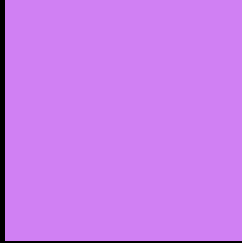
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 66, 67.642, 317.599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

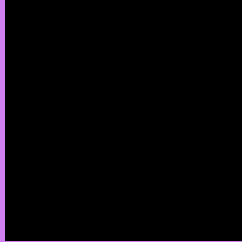
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 67.642, 317.599

Background



This preview shows how black text looks on a background with the CIELCh color 66, 67.642, 317.599.



This preview shows how white text looks on a background with the CIELCh color 66, 67.642, 317.599.

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
66, 19.377, 3.225

Trichromacy



Original Color
66, 67.642, 317.599



Protanomaly
66, 57.772, 297.815



Deuteranomaly
65, 50.685, 298.234



Tritanomaly
66, 34.468, 331.309

Monochromacy



Original Color
66, 67.642, 317.599



Achromatopsia
68, 0.008, 296.813



Achromatomaly
67, 25.072, 316.859

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 67.642, 317.599 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(208, 128, 243)` looks like.

```
.text, #text, p{  
    color:rgb(208, 128, 243)  
}
```

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(208, 128, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 128, 243) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 67.642, 317.599 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(208, 128, 243) }
```

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

```
.border{ border-color:rgb(208, 128, 243) }
```

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

Here you see how a box with a 4 pixel rgb(208, 128, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 128, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 128, 243);  
box-shadow:4px 4px 4px 4px rgb(208, 128,  
243) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 67.642, 317.599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 128, 243) }
```

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

```
.background{ background-color: rgb(208,  
128, 243) }
```

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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