

Converting Colors

CIELCh(66, 67.167, 318.198)

Have a look what the booklet for
CIELCh(66, 67.167, 318.198)
contains.

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Color

CIELCh(66, 66.780, 318.243)

Conversions

Conversions Part 1

Format	Color
Hex	D180F1
RGB	209, 128, 241
RGB Percent	82%, 50%, 95%
CMY	0.1806, 0.4982, 0.0551
CMYK	0.13, 0.47, 0.00, 0.06
HSL	283°, 80%, 72%
HSV	283°, 47%, 94%
XYZ	49.8653, 35.3238, 87.3733
YIQ	165.1010, 12.0030, 52.3150

Conversions

Conversions Part 2

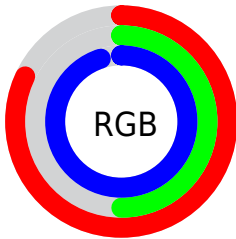
Format	Color
RYB	209, 128, 241
Decimal	13730033
CIELab	66.00, 49.82, -44.47
CIELCh	66, 66.780, 318.243
Yxy	35.3238, 0.2890, 0.2047
Android (android.graphics.Color)	4291920113 (0xFFD180F1)
YUV	165.1010, 37.4182, 38.4994
Hunter-Lab	59.4338, 45.7532, -45.5581

Details

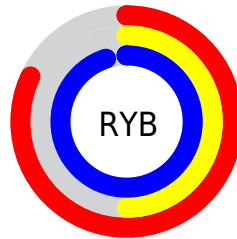
The CIELCh color $66, 66.780, 318.243$ is a light color, and the websafe version is hex `CC66CC`. A complement of this color would be $88, 64.699, 133.823$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 45.110, 325.986$, and $46, 66.845, 318.271$ is the 20% darker color. If you saturate the color by 10%, you get $61, 80.166, 318.558$, and if you desaturate by 10%, it is $72, 52.660, 317.852$.

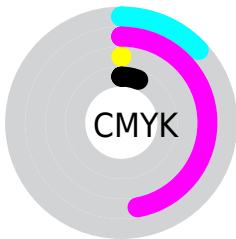
Distribution



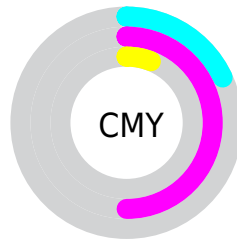
- Red (82%)
- Green (50%)
- Blue (95%)



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



- Cyan (13%)
- Magenta (47%)
- Yellow (0%)
- Black (6%)





- Cyan (18%)
- Magenta (50%)
- Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 66.780, 318.243 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, 66.780, 318.243 by changing the saturation by 10% instead.


 66, 66.780,
318.243


 66, 66.780,
318.243


 100, 66.780,
318.243


 56, 66.780,
318.243


 86, 66.780,
318.243

 46, 66.780,
318.243

 96, 66.780,
318.243

 36, 66.780,
318.243

 26, 66.780,
318.243

 16, 66.780,
318.243

 6, 66.780, 318.243

 0, 66.780, 318.243

66, 66.780,
318.243

66, 66.780,
318.243

61, 80.166,
318.558

72, 52.660,
317.852

56, 92.223,
318.746

78, 38.252,
317.422

52, 102.221,
318.746

84, 23.849,
316.978

49, 109.457,
318.496

91, 9.637, 316.531

97, 4.273, 136.188

46, 113.561,
317.950

99, 7.360, 123.884

46, 114.467,
317.748

100, 7.109,
109.635

Harmonies

Complementary

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



66, 66.780, 318.243



88, 64.699, 133.823

Rectangle

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



66, 66.780, 318.243



66, 66.780, 8.243



66, 66.780, 138.243



66, 66.780, 188.243

Sweetspot

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



66, 66.778, 318.243



91, 20.637, 316.851



67, 45.237, 283.114



47, 14.276, 316.947



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, 66.778, 318.243



64, 82.706, 318.538



69, 60.588, 334.329



47, 7.930, 316.648



35, 93.275, 317.904



7, 40.105, 319.033

Inverse Universe

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



67, 46.714, 3.366



66, 58.256, 5.432



87, 60.544, 146.942



47, 5.341, 357.984



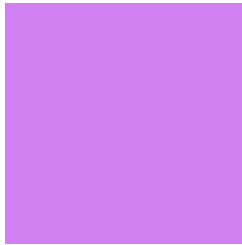
39, 69.079, 22.585



8, 28.805, 11.291

Previews

White Background



This preview shows how the CIELCh color 66, 66.780, 318.243 looks on a white background.

Color Contrast Check

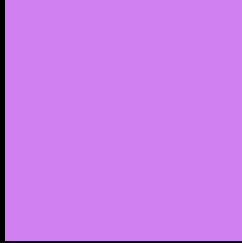
Large Text (above 18pt) WCAG AA × Fail

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 66, 66.780, 318.243 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

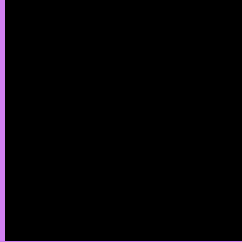
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 66.780, 318.243

Background



This preview shows how black text looks on a background with the CIELCh color 66, 66.780, 318.243.

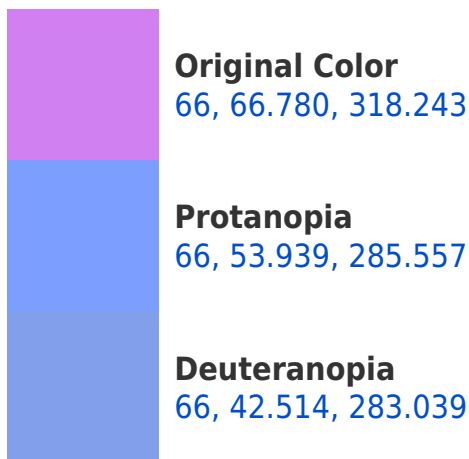



This preview shows how white text looks on a background with the CIELCh color 66, 66.780, 318.243.

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, 20.545, 4.435

Trichromacy



Original Color
66, 66.780, 318.243



Protanomaly
65, 57.231, 297.795



Deuteranomaly
65, 49.628, 298.920



Tritanomaly
66, 34.538, 332.962

Monochromacy



Original Color
66, 66.780, 318.243



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, 66.780, 318.243 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, 128, 241)` looks like.

```
.text, #text, p{  
    color:rgb(209, 128, 241)  
}
```

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, 128, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 128, 241) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 66.780, 318.243 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, 128, 241) }
```

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

```
.border{ border-color:rgb(209, 128, 241) }
```

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

Here you see how a box with a 4 pixel rgb(209, 128, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 128, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 128, 241);  
box-shadow:4px 4px 4px 4px rgb(209, 128,  
241) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 66.780, 318.243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 128, 241) }
```

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

```
.background{ background-color: rgb(209,  
128, 241) }
```

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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