

Converting Colors

CIELCh(66, 72.591, 314.796)

Have a look what the booklet for
CIELCh(66, 72.591, 314.796)
contains.

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Color

CIELCh(66, 72.642, 314.804)

Conversions

Conversions Part 1

Format	Color
Hex	CC80FE
RGB	204, 128, 254
RGB Percent	80%, 50%, 100%
CMY	0.2009, 0.4989, 0.0049
CMYK	0.20, 0.50, 0.00, 0.00
HSL	276°, 98%, 75%
HSV	276°, 50%, 100%
XYZ	50.3765, 35.3238, 97.7247
YIQ	165.0880, 4.8500, 55.2980

Conversions

Conversions Part 2

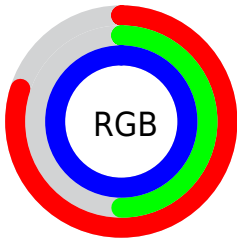
Format	Color
RYB	204, 128, 254
Decimal	13402366
CIELab	66.00, 51.19, -51.54
CIELCh	66, 72.642, 314.804
Yxy	35.3238, 0.2746, 0.1926
Android (android.graphics.Color)	4291592446 (0xFFCC80FE)
YUV	165.0880, 43.8336, 34.1258
Hunter-Lab	59.4338, 47.2886, -55.8845

Details

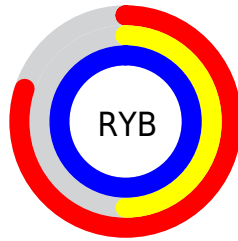
The CIELCh color `66, 72.642, 314.804` is a light color, and the websafe version is hex `CC66FF`. A complement of this color would be `92, 68.810, 130.241`, and the grayscale version is `68, 0.008, 296.813`.

A 20% lighter version of the original color is `83, 45.110, 325.986`, and `46, 72.558, 314.690` is the 20% darker color. If you saturate the color by 10%, you get `60, 86.676, 315.156`, and if you desaturate by 10%, it is `72, 57.948, 314.373`.

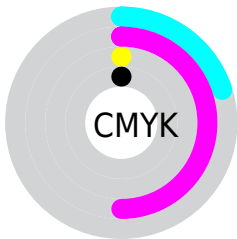
Distribution



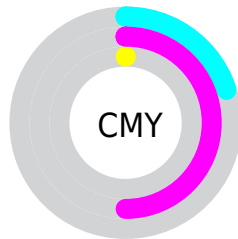
- Red (80%)
- Green (50%)
- Blue (100%)



- Red (80%)
- Yellow (50%)
- Blue (100%)



- Cyan (20%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)




- Cyan (20%)
- Magenta (50%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 72.642, 314.804 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, 72.642, 314.804 by changing the saturation by 10% instead.


 66, 72.642,
314.804


 66, 72.642,
314.804


 100, 72.642,
314.804


 56, 72.642,
314.804


 86, 72.642,
314.804

 46, 72.642,
314.804

 96, 72.642,
314.804

 36, 72.642,
314.804

 26, 72.642,
314.804

 16, 72.642,
314.804

 6, 72.642, 314.804

 0, 72.642, 314.804

■ 66, 72.642,
314.804

■ 66, 72.642,
314.804

■ 60, 86.676,
315.156

■ 72, 57.948,
314.373

■ 55, 99.391,
315.363

■ 79, 43.056,
313.907

■ 50, 109.932,
315.341

■ 86, 28.253,
313.439

■ 47, 117.436,
314.999

■ 93, 13.708,
312.983

■ 44, 121.683,
314.308

■ 100, 0.487,
132.947

■ 44, 121.813,
314.283

■ 100, 0.619,
110.007

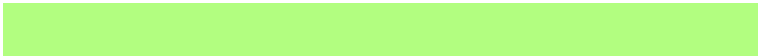
Harmonies

Complementary

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



66, 72.642, 314.804



92, 68.810, 130.241

Rectangle

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



66, 72.642, 314.804



66, 72.642, 4.804



66, 72.642, 134.804



66, 72.642, 184.804

Sweetspot

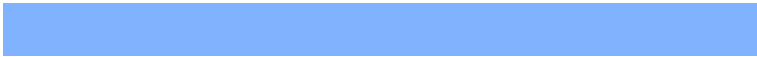
The Sweet Spot groups the original color and five complimentary colors.



66, 72.640, 314.804



89, 21.544, 313.225



72, 42.710, 274.921



46, 14.734, 313.322



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, 72.640, 314.804



60, 87.500, 315.167



71, 71.914, 330.183



49, 8.111, 312.977



33, 98.337, 314.469



7, 44.652, 315.756

Inverse Universe

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



69, 53.318, 355.791



64, 63.586, 357.936



90, 72.367, 142.988



50, 5.977, 350.430



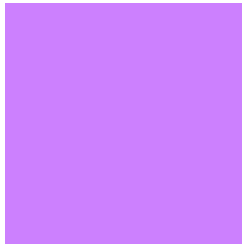
41, 68.366, 12.115



10, 31.296, 5.057

Previews

White Background



This preview shows how the CIELCh color 66, 72.642, 314.804 looks on a white background.

Color Contrast Check

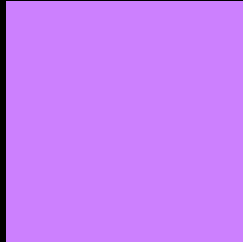
Large Text (above 18pt) WCAG AA × Fail

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, 72.642, 314.804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

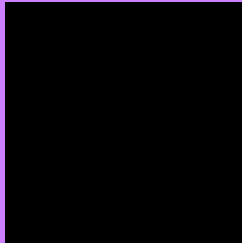
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 72.642, 314.804

Background



This preview shows how black text looks on a background with the CIELCh color 66, 72.642, 314.804.

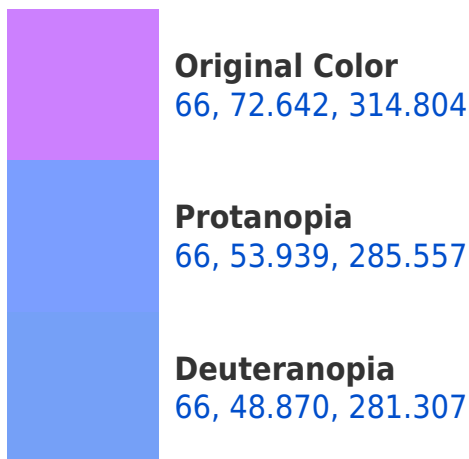


This preview shows how white text looks on a background with the CIELCh color 66, 72.642, 314.804.

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, 16.523, 357.504

Trichromacy



Original Color
66, 72.642, 314.804



Protanomaly
66, 59.924, 297.369



Deuteranomaly
65, 56.069, 296.006



Tritanomaly
66, 34.762, 325.371

Monochromacy



Original Color
66, 72.642, 314.804



Achromatopsia
68, 0.008, 296.813



Achromatomaly
66, 27.473, 313.777

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 72.642, 314.804 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(204, 128, 254)` looks like.

```
.text, #text, p{  
    color:rgb(204, 128, 254)  
}
```

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(204, 128, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 128, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 72.642, 314.804 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(204, 128, 254) }
```

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

```
.border{ border-color:rgb(204, 128, 254) }
```

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

Here you see how a box with a 4 pixel rgb(204, 128, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 128, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 128, 254);  
box-shadow:4px 4px 4px 4px rgb(204, 128,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 72.642, 314.804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 128, 254) }
```

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

```
.background{ background-color: rgb(204,  
128, 254) }
```

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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