

Converting Colors

CIELCh(69, 113.542, 307.689)

Have a look what the booklet for
CIELCh(69, 113.542, 307.689)
contains.

CIELCh(64, 75.001, 312.755)	3
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Color

CIELCh(64, 75.001, 312.755)

Conversions

Conversions Part 1

Format	Color
Hex	C17BFE
RGB	193, 123, 254
RGB Percent	76%, 48%, 100%
CMY	0.2420, 0.5163, 0.0028
CMYK	0.24, 0.51, 0.00, 0.00
HSL	272°, 99%, 74%
HSV	272°, 51%, 100%
XYZ	47.1269, 32.8017, 97.8481
YIQ	158.8640, -0.3310, 55.5810

Conversions

Conversions Part 2

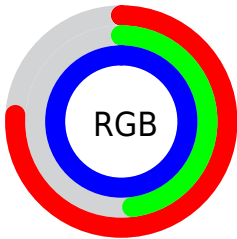
Format	Color
R _Y B	193, 123, 254
Decimal	12680190
CIE Lab	64.00, 50.92, -55.07
CIE LCh	64, 75.001, 312.755
Yxy	32.8017, 0.2651, 0.1845
Android (android.graphics.Color)	4290870270 (0xFFC17BFE)
YUV	158.8640, 46.9020, 29.9373
Hunter-Lab	57.2727, 46.6514, -61.2035

Details

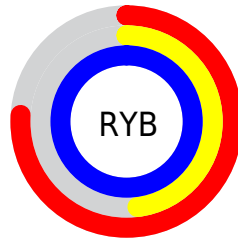
The CIELCh color $64, 75.001, 312.755$ is a light color, and the websafe version is hex `CC66FF`. A complement of this color would be $93, 69.905, 127.878$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $81, 48.330, 325.005$, and $44, 75.256, 312.690$ is the 20% darker color. If you saturate the color by 10%, you get $58, 89.156, 313.168$, and if you desaturate by 10%, it is $71, 60.245, 312.265$.

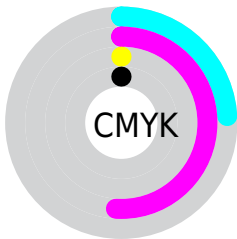
Distribution



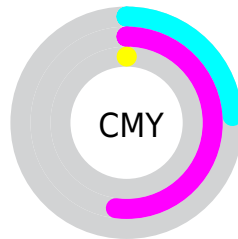
- Red (76%)
- Green (48%)
- Blue (100%)



- Red (76%)
- Yellow (48%)
- Blue (100%)



- Cyan (24%)
- Magenta (51%)
- Yellow (0%)
- Black (0%)





- Cyan (24%)
- Magenta (52%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 75.001, 312.755 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 64, 75.001, 312.755 by changing the saturation by 10% instead.

 64, 75.001,
312.755


 64, 75.001,
312.755


 100, 75.001,
312.755


 54, 75.001,
312.755


 84, 75.001,
312.755

 44, 75.001,
312.755

 94, 75.001,
312.755

 34, 75.001,
312.755

 24, 75.001,
312.755

 14, 75.001,
312.755

 4, 75.001, 312.755

 0, 75.001, 312.755

64, 75.001,
312.755

64, 75.001,
312.755

58, 89.156,
313.168

71, 60.245,
312.265

52, 102.015,
313.427

77, 45.353,
311.750

48, 112.647,
313.432

84, 30.602,
311.240

44, 120.095,
313.076

92, 16.149,
310.754

42, 123.847,
312.482

99, 2.074, 310.243

100, 0.354,
109.933

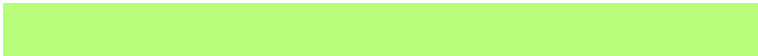
Harmonies

Complementary

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



64, 75.001, 312.755



93, 69.905, 127.878

Rectangle

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



64, 75.001, 312.755



64, 75.001, 2.755



64, 75.001, 132.755



64, 75.001, 182.755

Sweetspot

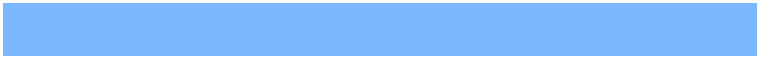
The Sweet Spot groups the original color and five complimentary colors.



64, 74.999, 312.755



89, 21.230, 310.921



73, 40.526, 269.083



46, 14.525, 311.024



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 74.999, 312.755



58, 90.056, 313.186



71, 77.766, 328.123



49, 7.987, 310.660



31, 99.793, 312.676



6, 44.852, 313.824

Inverse Universe

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



69, 56.907, 351.509



64, 66.969, 353.497



90, 78.331, 140.966



50, 6.240, 346.317



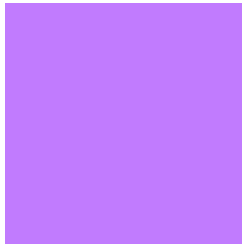
41, 68.016, 5.403



10, 31.588, 359.282

Previews

White Background



This preview shows how the CIELCh color 64, 75.001, 312.755 looks on a white background.

Color Contrast Check

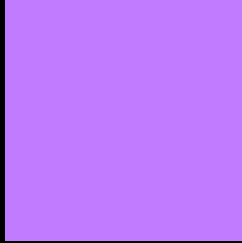
Large Text (above 18pt) WCAG AA × Fail

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 64, 75.001, 312.755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

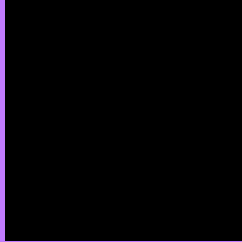
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 75.001, 312.755

Background



This preview shows how black text looks on a background with the CIELCh color 64, 75.001, 312.755.

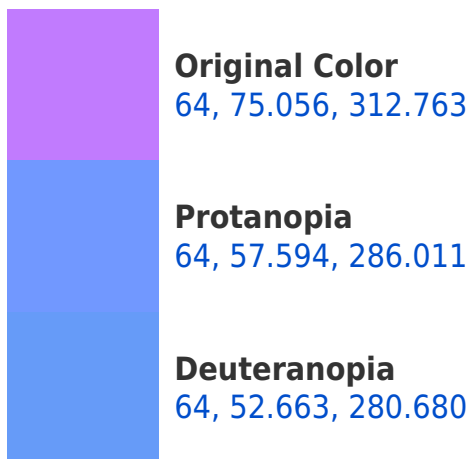


This preview shows how white text looks on a background with the CIELCh color 64, 75.001, 312.755.

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
64, 13.165, 353.104

Trichromacy



Original Color
64, 75.056, 312.763



Protanomaly
64, 62.963, 296.444



Deuteranomaly
63, 59.693, 294.122



Tritanomaly
63, 34.663, 320.621

Monochromacy



Original Color
64, 75.056, 312.763



Achromatopsia
65, 0.008, 296.813



Achromatomaly
64, 28.315, 310.938

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 75.001, 312.755 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(193, 123, 254)` looks like.

```
.text, #text, p{  
    color:rgb(193, 123, 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(193, 123, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 123, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 75.001, 312.755 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(193, 123, 254) }
```

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

```
.border{ border-color:rgb(193, 123, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 123, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 123, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 123, 254);  
box-shadow:4px 4px 4px 4px rgb(193, 123,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 75.001, 312.755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 123, 254) }
```

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

```
.background{ background-color: rgb(193,  
123, 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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