

Converting Colors

CIELCh(64, 66.332, 314.627)

Have a look what the booklet for
CIELCh(64, 66.332, 314.627)
contains.

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Color

CIELCh(64, 66.471, 314.777)

Conversions

Conversions Part 1

Format	Color
Hex	C37EF0
RGB	195, 126, 240
RGB Percent	76%, 49%, 94%
CMY	0.2354, 0.5060, 0.0589
CMYK	0.19, 0.48, 0.00, 0.06
HSL	276°, 79%, 72%
HSV	276°, 48%, 94%
XYZ	45.6784, 32.8017, 86.3376
YIQ	159.6270, 4.5300, 50.0820

Conversions

Conversions Part 2

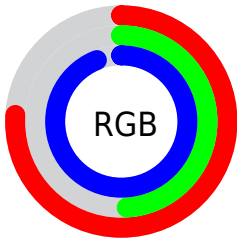
Format	Color
R _Y B	195, 126, 240
Decimal	12812016
CIE Lab	64.00, 46.82, -47.18
CIE LCh	64, 66.471, 314.777
Yxy	32.8017, 0.2771, 0.1990
Android (android.graphics.Color)	4291002096 (0xFFC37EF0)
YUV	159.6270, 39.6239, 31.0221
Hunter-Lab	57.2727, 42.1370, -49.2876

Details

The CIELCh color `64, 66.471, 314.777` is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be `88, 63.146, 130.413`, and the grayscale version is `66, 0.008, 296.813`.

A 20% lighter version of the original color is `82, 46.636, 325.286`, and `44, 66.445, 314.912` is the 20% darker color. If you saturate the color by 10%, you get `58, 80.070, 315.149`, and if you desaturate by 10%, it is `70, 52.354, 314.337`.

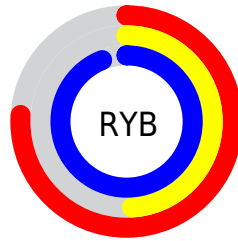
Distribution



Red (76%)

Green (49%)

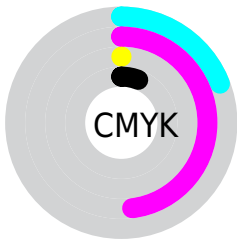
Blue (94%)



Red (76%)

Yellow (49%)

Blue (94%)

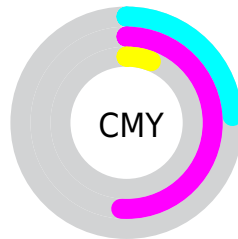


Cyan (19%)

Magenta (48%)

Yellow (0%)

Black (6%)



Cyan (24%)

Magenta (51%)


Yellow (6%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 66.471, 314.777 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, 66.471, 314.777 by changing the saturation by 10% instead.

 64, 66.471,
314.777


 64, 66.471,
314.777

 100, 66.471,
314.777


 54, 66.471,
314.777


 84, 66.471,
314.777

 44, 66.471,
314.777

 94, 66.471,
314.777

 34, 66.471,
314.777

 24, 66.471,
314.777

 14, 66.471,
314.777

 4, 66.471, 314.777

 0, 66.471, 314.777

64, 66.471,
314.777

64, 66.471,
314.777

58, 80.070,
315.149

70, 52.354,
314.337

53, 92.572,
315.394

77, 38.120,
313.872

48, 103.200,
315.433

83, 24.011,
313.408

45, 111.111,
315.174

90, 10.171,
312.956

42, 115.785,
314.553

96, 3.323, 132.612

42, 116.686,
314.375

99, 7.707, 118.085

100, 7.608,
109.598

Harmonies

Complementary

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



64, 66.471, 314.777



88, 63.146, 130.413

Rectangle

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



64, 66.471, 314.777



64, 66.471, 4.777



64, 66.471, 134.777



64, 66.471, 184.777

Sweetspot

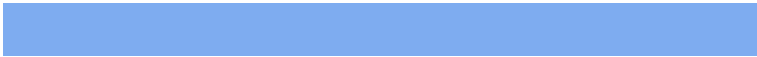
The Sweet Spot groups the original color and five complimentary colors.



64, 66.469, 314.777



90, 20.093, 313.250



70, 39.029, 274.299



47, 13.907, 313.348



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, 66.469, 314.777



62, 83.401, 315.139



69, 66.096, 330.053



47, 7.713, 313.044



31, 95.330, 314.559



6, 39.970, 315.449

Inverse Universe

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



67, 48.814, 355.524



66, 60.760, 357.416



86, 66.416, 143.259



47, 5.673, 350.557



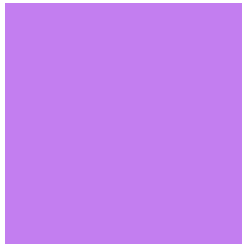
39, 66.325, 12.154



8, 28.826, 3.858

Previews

White Background



This preview shows how the CIELCh color 64, 66.471, 314.777 looks on a white background.

Color Contrast Check

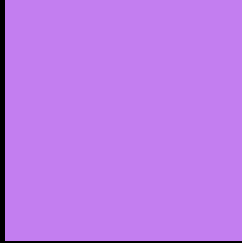
Large Text (above 18pt) WCAG AA × Fail

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 64, 66.471, 314.777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

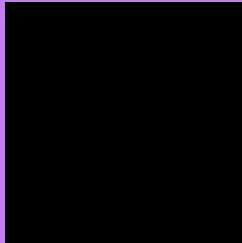
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 66.471, 314.777

Background



This preview shows how black text looks on a background with the CIELCh color 64, 66.471, 314.777.



This preview shows how white text looks on a background with the CIELCh color 64, 66.471, 314.777.

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



Original Color

64, 66.471, 314.777

Protanopia

64, 57.594, 286.011

Deuteranopia

64, 44.634, 281.305



Tritanopia
64, 15.897, 356.316

Trichromacy



Original Color
64, 66.471, 314.777



Protanomaly
64, 59.644, 296.144



Deuteranomaly
63, 51.406, 296.052



Tritanomaly
64, 32.566, 325.850

Monochromacy



Original Color
64, 66.471, 314.777



Achromatopsia
66, 0.008, 296.813



Achromatomaly
65, 24.639, 313.733

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 66.471, 314.777 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(195, 126, 240)` looks like.

```
.text, #text, p{  
    color:rgb(195, 126, 240)  
}
```

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(195, 126, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 126, 240) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 66.471, 314.777 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(195, 126, 240) }
```

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

```
.border{ border-color:rgb(195, 126, 240) }
```

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

Here you see how a box with a 4 pixel rgb(195, 126, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 126, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 126, 240);  
box-shadow:4px 4px 4px 4px rgb(195, 126,  
240) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 66.471, 314.777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 126, 240) }
```

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

```
.background{ background-color: rgb(195,  
126, 240) }
```

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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