

Converting Colors

CIELCh(72, 132.754, 306.138)

Have a look what the booklet for
CIELCh(72, 132.754, 306.138)
contains.

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Color

CIELCh(64, 73.006, 311.167)

Conversions

Conversions Part 1

Format	Color
Hex	BC7EFE
RGB	188, 126, 254
RGB Percent	74%, 49%, 100%
CMY	0.2626, 0.5054, 0.0039
CMYK	0.26, 0.50, 0.00, 0.00
HSL	269°, 98%, 75%
HSV	269°, 50%, 100%
XYZ	46.1129, 32.8017, 97.6778
YIQ	159.1300, -4.1360, 52.9520

Conversions

Conversions Part 2

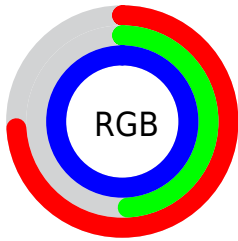
Format	Color
R _Y B	188, 126, 254
Decimal	12353278
CIE Lab	64.00, 48.06, -54.96
CIE LCh	64, 73.006, 311.167
Yxy	32.8017, 0.2611, 0.1857
Android (android.graphics.Color)	4290543358 (0xFFBC7EFE)
YUV	159.1300, 46.7709, 25.3190
Hunter-Lab	57.2727, 43.4911, -61.0273

Details

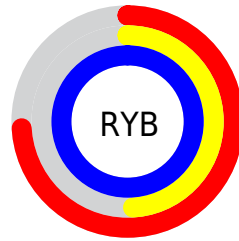
The CIELCh color `64, 73.006, 311.167` is a light color, and the websafe version is hex `9966CC`. A complement of this color would be `93, 67.481, 126.157`, and the grayscale version is `65, 0.008, 296.813`.

A 20% lighter version of the original color is `82, 45.689, 322.946`, and `44, 73.537, 311.132` is the 20% darker color. If you saturate the color by 10%, you get `58, 87.441, 311.670`, and if you desaturate by 10%, it is `71, 58.150, 310.607`.

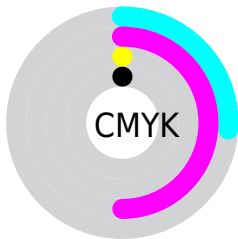
Distribution



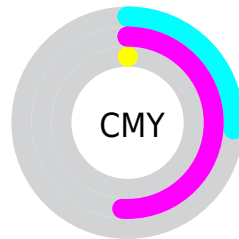
- Red (74%)
- Green (49%)
- Blue (100%)



- Red (74%)
- Yellow (49%)
- Blue (100%)



- Cyan (26%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)





- Cyan (26%)
- Magenta (51%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 73.006, 311.167 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, 73.006, 311.167 by changing the saturation by 10% instead.

 64, 73.006,
311.167


 64, 73.006,
311.167


 100, 73.006,
311.167


 54, 73.006,
311.167


 84, 73.006,
311.167

 44, 73.006,
311.167

 94, 73.006,
311.167

 34, 73.006,
311.167

 24, 73.006,
311.167

 14, 73.006,
311.167

 4, 73.006, 311.167

 0, 73.006, 311.167

64, 73.006,
311.167

64, 73.006,
311.167

58, 87.441,
311.670

71, 58.150,
310.607

52, 100.798,
312.038

78, 43.287,
310.039

47, 112.139,
312.165

85, 28.651,
309.492

43, 120.398,
311.928

92, 14.367,
308.980

40, 125.114,
311.322

99, 0.492, 308.253

100, 0.489,
109.983

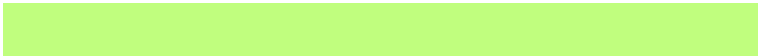
Harmonies

Complementary

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



64, 73.006, 311.167



93, 67.481, 126.157

Rectangle

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



64, 73.006, 311.167



64, 73.006, 1.167



64, 73.006, 131.167



64, 73.006, 181.167

Sweetspot

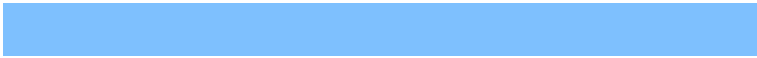
The Sweet Spot groups the original color and five complimentary colors.



64, 73.005, 311.167



89, 21.024, 309.214



76, 37.167, 263.270



46, 14.387, 309.322



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 73.005, 311.167



58, 87.220, 311.654



71, 77.670, 326.575



49, 7.906, 308.938



30, 100.877, 311.515



6, 44.913, 312.442

Inverse Universe

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



69, 57.119, 348.180



65, 66.700, 349.765



90, 77.999, 139.934



50, 6.451, 343.552



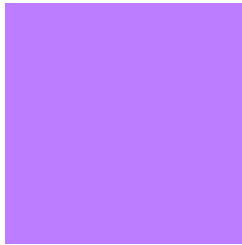
41, 68.443, 0.608



10, 32.028, 355.257

Previews

White Background



This preview shows how the CIELCh color 64, 73.006, 311.167 looks on a white background.

Color Contrast Check

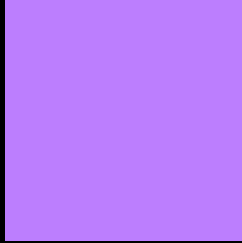
Large Text (above 18pt) WCAG AA × Fail

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, 73.006, 311.167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

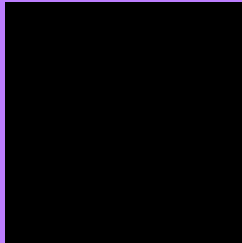
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 73.006, 311.167

Background



This preview shows how black text looks on a background with the CIELCh color 64, 73.006, 311.167.



This preview shows how white text looks on a background with the CIELCh color 64, 73.006, 311.167.

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, 10.476, 344.693

Trichromacy



Original Color
64, 73.064, 311.177



Protanomaly
64, 62.367, 295.647



Deuteranomaly
63, 59.115, 293.267



Tritanomaly
64, 32.322, 316.233

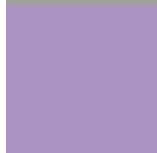
Monochromacy



Original Color
64, 73.064, 311.177



Achromatopsia
65, 0.008, 296.813



Achromatomaly
64, 27.557, 309.856

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 73.006, 311.167 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(188, 126, 254)` looks like.

```
.text, #text, p{  
    color:rgb(188, 126, 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(188, 126, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 126, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 73.006, 311.167 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(188, 126, 254) }
```

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

```
.border{ border-color:rgb(188, 126, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 126, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 126, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 126, 254);  
box-shadow:4px 4px 4px 4px rgb(188, 126,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 73.006, 311.167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 126, 254) }
```

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

```
.background{ background-color: rgb(188,  
126, 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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