

Converting Colors

CIELCh(64, 69.080, 311.900)

Have a look what the booklet for
CIELCh(64, 69.080, 311.900)
contains.

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Color

CIELCh(64, 69.495, 311.950)

Conversions

Conversions Part 1

Format	Color
Hex	BD7FF8
RGB	189, 127, 248
RGB Percent	74%, 50%, 97%
CMY	0.2586, 0.5017, 0.0272
CMYK	0.24, 0.49, 0.00, 0.03
HSL	271°, 90%, 74%
HSV	271°, 49%, 97%
XYZ	45.5516, 32.8017, 92.7893
YIQ	159.3320, -1.8890, 50.7750

Conversions

Conversions Part 2

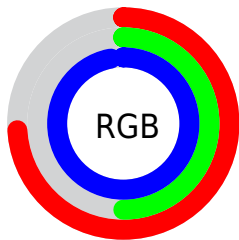
Format	Color
R _Y B	189, 127, 248
Decimal	12419064
CIE _{Lab}	64.00, 46.46, -51.69
CIE _{LCh}	64, 69.495, 311.950
Y _{xy}	32.8017, 0.2662, 0.1917
Android (android.graphics.Color)	4290609144 (0xFFBD7FF8)
YUV	159.3320, 43.7133, 26.0188
Hunter-Lab	57.2727, 41.7419, -55.9666

Details

The CIELCh color `64, 69.495, 311.950` is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be `91, 64.769, 127.230`, and the grayscale version is `65, 0.008, 296.813`.

A 20% lighter version of the original color is `82, 45.066, 322.885`, and `44, 69.261, 311.951` is the 20% darker color. If you saturate the color by 10%, you get `58, 83.664, 312.421`, and if you desaturate by 10%, it is `71, 54.932, 311.424`.

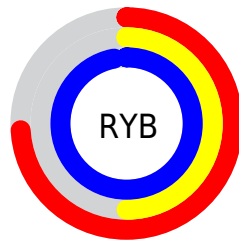
Distribution



Red (74%)

Green (50%)

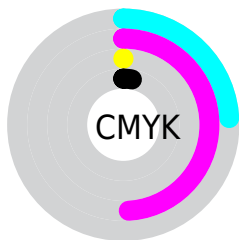
Blue (97%)



Red (74%)

Yellow (50%)

Blue (97%)

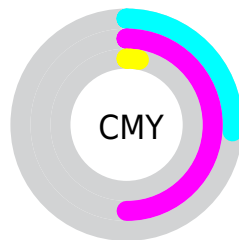


Cyan (24%)

Magenta (49%)

Yellow (0%)

Black (3%)



Cyan (26%)


Magenta (50%)


Yellow (3%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 69.495, 311.950 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, 69.495, 311.950 by changing the saturation by 10% instead.

 64, 69.495,
311.950


 64, 69.495,
311.950


 100, 69.495,
311.950


 54, 69.495,
311.950


 84, 69.495,
311.950

 44, 69.495,
311.950

 94, 69.495,
311.950

 34, 69.495,
311.950

 24, 69.495,
311.950

 14, 69.495,
311.950

 4, 69.495, 311.950

 0, 69.495, 311.950

64, 69.495,
311.950

64, 69.495,
311.950

58, 83.664,
312.421

71, 54.932,
311.424

52, 96.834,
312.767

77, 40.364,
310.888

47, 108.140,
312.890

84, 26.011,
310.369

43, 116.582,
312.676

91, 11.994,
309.879

40, 121.601,
312.058

98, 1.630, 129.538

40, 122.113,
311.977

100, 3.506,
109.894

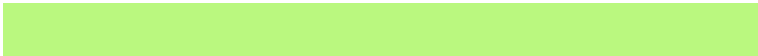
Harmonies

Complementary

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



64, 69.495, 311.950



91, 64.769, 127.230

Rectangle

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



64, 69.495, 311.950



64, 69.495, 1.950



64, 69.495, 131.950



64, 69.495, 181.950

Sweetspot

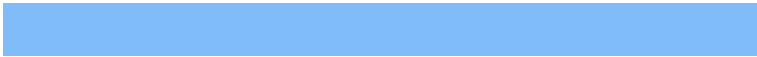
The Sweet Spot groups the original color and five complimentary colors.



64, 69.493, 311.950



89, 21.138, 310.181



74, 36.113, 264.700



46, 14.463, 310.286



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, 69.493, 311.950



59, 85.862, 312.434



71, 74.315, 327.005



48, 7.820, 309.914



30, 99.256, 312.167



6, 43.253, 313.045

Inverse Universe

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



69, 53.631, 349.674



65, 64.917, 351.427



89, 74.693, 140.437



49, 6.226, 345.089



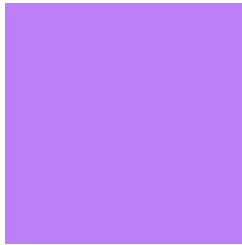
40, 67.458, 3.256



10, 30.954, 357.201

Previews

White Background



This preview shows how the CIELCh color 64, 69.495, 311.950 looks on a white background.

Color Contrast Check

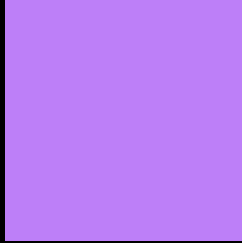
Large Text (above 18pt) WCAG AA × Fail

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, 69.495, 311.950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

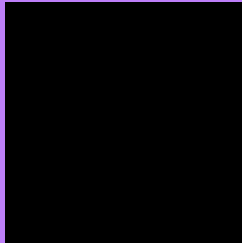
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 69.495, 311.950

Background



This preview shows how black text looks on a background with the CIELCh color 64, 69.495, 311.950.




This preview shows how white text looks on a background with the CIELCh color 64, 69.495, 311.950.

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, 12.068, 347.058

Trichromacy



Original Color
64, 69.495, 311.950



Protanomaly
64, 60.736, 295.734



Deuteranomaly
63, 55.201, 293.732



Tritanomaly
63, 32.268, 318.455

Monochromacy



Original Color
64, 69.495, 311.950



Achromatopsia
65, 0.008, 296.813



Achromatomaly
64, 25.985, 310.914

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 69.495, 311.950 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(189, 127, 248)` looks like.

```
.text, #text, p{  
    color:rgb(189, 127, 248)  
}
```

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(189, 127, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 127, 248) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 69.495, 311.950 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(189, 127, 248) }
```

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

```
.border{ border-color:rgb(189, 127, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 127, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 127, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 127, 248);  
box-shadow:4px 4px 4px 4px rgb(189, 127,  
248) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 69.495, 311.950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 127, 248) }
```

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

```
.background{ background-color: rgb(189,  
127, 248) }
```

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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