

Converting Colors

CIELCh(64, 46.237, 311.896)

Have a look what the booklet for
CIELCh(64, 46.237, 311.896)
contains.

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Color

CIELCh(64, 46.283, 311.904)

Conversions

Conversions Part 1

Format	Color
Hex	B48AD9
RGB	180, 138, 217
RGB Percent	71%, 54%, 85%
CMY	0.2949, 0.4595, 0.1498
CMYK	0.17, 0.36, 0.00, 0.15
HSL	272°, 51%, 70%
HSV	272°, 36%, 85%
XYZ	40.3356, 32.8017, 69.7131
YIQ	159.5640, -0.3270, 33.4730

Conversions

Conversions Part 2

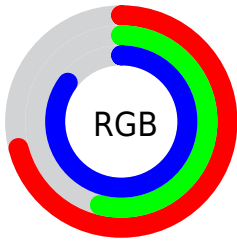
Format	Color
RYB	180, 138, 217
Decimal	11832025
CIELab	64.00, 30.91, -34.45
CIElCh	64, 46.283, 311.904
Yxy	32.8017, 0.2824, 0.2296
Android (android.graphics.Color)	4290022105 (0xFFB48AD9)
YUV	159.5640, 28.3159, 17.9224
Hunter-Lab	57.2727, 25.4852, -32.0776

Details

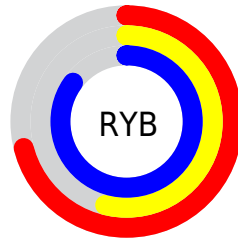
The CIELCh color $64, 46.283, 311.904$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $82, 44.111, 128.475$, and the grayscale version is $66, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 36.722, 317.249$, and $44, 46.608, 311.994$ is the 20% darker color. If you saturate the color by 10%, you get $58, 59.351, 312.411$, and if you desaturate by 10%, it is $70, 33.242, 311.391$.

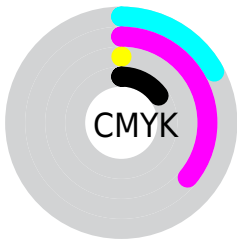
Distribution



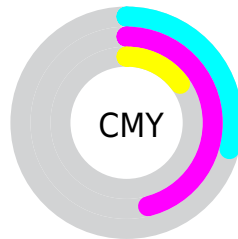
- Red (71%)
- Green (54%)
- Blue (85%)



- Red (71%)
- Yellow (54%)
- Blue (85%)



- Cyan (17%)
- Magenta (36%)
- Yellow (0%)
- Black (15%)



- Cyan (29%)
- Magenta (46%)
- Yellow (15%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 46.283, 311.904 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, 46.283, 311.904 by changing the saturation by 10% instead.

 64, 46.283,
311.904

 64, 46.283,
311.904

 100, 46.283,
311.904


 54, 46.283,
311.904


 84, 46.283,
311.904

 44, 46.283,
311.904

 94, 46.283,
311.904

 34, 46.283,
311.904

 24, 46.283,
311.904

 14, 46.283,
311.904

 4, 46.283, 311.904

 0, 46.283, 311.904

64, 46.283,
311.904

64, 46.283,
311.904

58, 59.351,
312.411

70, 33.242,
311.391

52, 72.149,
312.873

76, 20.411,
310.895

47, 84.188,
313.230

83, 7.884, 310.424

43, 94.771,
313.396

89, 4.294, 130.051

95, 16.106,
129.648

39, 103.047,
313.267

98, 20.074,
123.759

36, 108.307,
312.746

99, 19.387,
113.195

35, 109.763,
312.521

99, 19.312,
108.716

Harmonies

Complementary

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



64, 46.283, 311.904



82, 44.111, 128.475

Rectangle

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



64, 46.283, 311.904



64, 46.283, 1.904



64, 46.283, 131.904



64, 46.283, 181.904

Sweetspot

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



64, 46.281, 311.904



92, 15.477, 310.642



70, 24.887, 263.330



48, 10.418, 310.706



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, 46.281, 311.904



69, 64.104, 312.310



68, 50.197, 326.866



43, 7.052, 310.564



28, 92.775, 312.693



4, 31.485, 310.675

Inverse Universe

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



66, 35.850, 349.073



73, 49.241, 350.162



80, 50.259, 142.182



43, 5.522, 346.153



37, 63.263, 4.792



6, 24.775, 356.722

Previews

White Background



This preview shows how the CIELCh color 64, 46.283, 311.904 looks on a white background.

Color Contrast Check

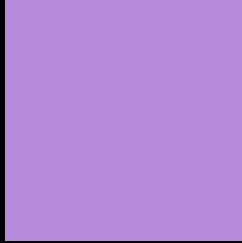
Large Text (above 18pt) WCAG AA × Fail

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, 46.283, 311.904 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, 46.283, 311.904

Background



This preview shows how black text looks on a background with the CIELCh color 64, 46.283, 311.904.



This preview shows how white text looks on a background with the CIELCh color 64, 46.283, 311.904.

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, 10.800, 342.277

Trichromacy



Original Color
64, 46.283, 311.904

Protanomaly
64, 43.560, 295.042

Deuteranomaly
64, 38.100, 296.980

Tritanomaly
64, 22.806, 319.847

Monochromacy



Original Color
64, 46.283, 311.904

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 17.262, 311.549

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 46.283, 311.904 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(180, 138, 217)` looks like.

```
.text, #text, p{  
    color:rgb(180, 138, 217)  
}
```

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(180, 138, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 138, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 46.283, 311.904 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(180, 138, 217) }
```

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

```
.border{ border-color:rgb(180, 138, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 138, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 138, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 138, 217);  
box-shadow:4px 4px 4px 4px rgb(180, 138,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 46.283, 311.904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 138, 217) }
```

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

```
.background{ background-color: rgb(180,  
138, 217) }
```

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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