

Converting Colors

CIELCh(64, 47.807, 310.022)

Have a look what the booklet for
CIELCh(64, 47.807, 310.022)
contains.

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Color

CIELCh(64, 48.120, 309.970)

Conversions

Conversions Part 1

Format	Color
Hex	B18ADD
RGB	177, 138, 221
RGB Percent	69%, 54%, 87%
CMY	0.3054, 0.4583, 0.1328
CMYK	0.20, 0.38, 0.00, 0.13
HSL	268°, 55%, 70%
HSV	268°, 38%, 87%
XYZ	40.3356, 32.8017, 72.7049
YIQ	159.1230, -3.3990, 34.0810

Conversions

Conversions Part 2

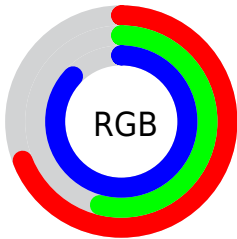
Format	Color
RYB	177, 138, 221
Decimal	11635421
CIELab	64.00, 30.91, -36.88
CIELCh	64, 48.120, 309.970
Yxy	32.8017, 0.2766, 0.2249
Android (android.graphics.Color)	4289825501 (0xFFB18ADD)
YUV	159.1230, 30.5054, 15.6781
Hunter-Lab	57.2727, 25.4851, -35.1748

Details

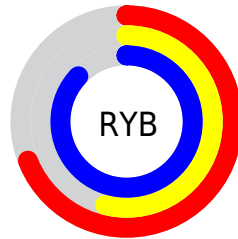
The CIELCh color $64, 48.120, 309.970$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $84, 45.415, 126.217$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 36.338, 315.733$, and $44, 48.623, 310.061$ is the 20% darker color. If you saturate the color by 10%, you get $58, 61.439, 310.552$, and if you desaturate by 10%, it is $70, 34.889, 309.395$.

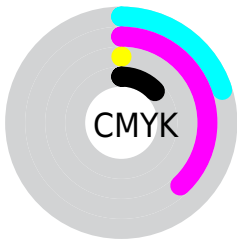
Distribution



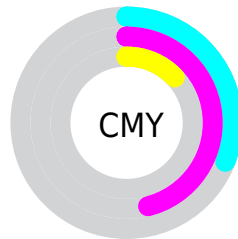
- Red (69%)
- Green (54%)
- Blue (87%)



- Red (69%)
- Yellow (54%)
- Blue (87%)



- Cyan (20%)
- Magenta (38%)
- Yellow (0%)
- Black (13%)




- Cyan (31%)
- Magenta (46%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 48.120, 309.970 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, 48.120, 309.970 by changing the saturation by 10% instead.

 64, 48.120,
309.970

 64, 48.120,
309.970


 100, 48.120,
309.970


 54, 48.120,
309.970


 84, 48.120,
309.970

 44, 48.120,
309.970

 94, 48.120,
309.970

 34, 48.120,
309.970

 24, 48.120,
309.970

 14, 48.120,
309.970

 4, 48.120, 309.970

 0, 48.120, 309.970

64, 48.120,
309.970

64, 48.120,
309.970

58, 61.439,
310.552

70, 34.889,
309.395

52, 74.552,
311.099

77, 21.916,
308.850

46, 86.958,
311.546

83, 9.284, 308.343

42, 97.905,
311.796

90, 2.972, 127.943

96, 14.842,
127.509

38, 106.445,
311.726

99, 17.381,
117.985

35, 111.833,
311.239

99, 17.128,
108.882

34, 112.926,
311.103

Harmonies

Complementary

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



64, 48.120, 309.970



84, 45.415, 126.217

Rectangle

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



64, 48.120, 309.970



64, 48.120, 359.970



64, 48.120, 129.970



64, 48.120, 179.970

Sweetspot

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



64, 48.118, 309.970



92, 15.287, 308.519



72, 24.692, 257.925



48, 10.292, 308.588



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, 48.118, 309.970



68, 65.195, 310.426



68, 52.667, 325.483



43, 6.964, 308.436



26, 94.008, 311.286



3, 31.022, 308.205

Inverse Universe

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



67, 38.873, 345.608



72, 52.007, 346.581



81, 52.618, 140.893



43, 5.754, 342.787



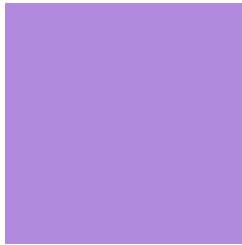
37, 63.898, 358.968



6, 25.397, 352.370

Previews

White Background



This preview shows how the CIELCh color 64, 48.120, 309.970 looks on a white background.

Color Contrast Check

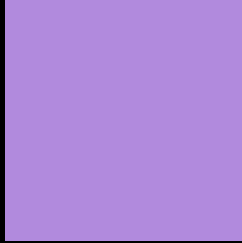
Large Text (above 18pt) WCAG AA × Fail

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, 48.120, 309.970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

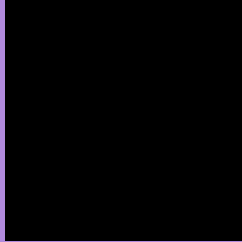
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 48.120, 309.970

Background



This preview shows how black text looks on a background with the CIELCh color 64, 48.120, 309.970.



This preview shows how white text looks on a background with the CIELCh color 64, 48.120, 309.970.

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, 48.120, 309.970

Protanopia
64, 44.782, 285.514

Deuteranopia
64, 35.963, 283.593



Tritanopia
64, 9.359, 334.698

Trichromacy



Original Color
64, 48.120, 309.970

Protanomaly
64, 45.155, 294.018

Deuteranomaly
64, 39.657, 294.712

Tritanomaly
64, 23.167, 315.250

Monochromacy



Original Color
64, 48.120, 309.970

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 18.195, 309.292

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 48.120, 309.970 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(177, 138, 221)` looks like.

```
.text, #text, p{  
    color:rgb(177, 138, 221)  
}
```

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(177, 138, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 138, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 48.120, 309.970 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(177, 138, 221) }
```

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

```
.border{ border-color:rgb(177, 138, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 138, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 138, 221); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 138, 221); box-shadow:4px 4px 4px 4px rgb(177, 138, 221) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 48.120, 309.970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 138, 221) }
```

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

```
.background{ background-color: rgb(177,  
138, 221) }
```

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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