

Converting Colors

CIELCh(64, 38.828, 314.375)

Have a look what the booklet for
CIELCh(64, 38.828, 314.375)
contains.

| | |
|--|----|
| CIELCh(64, 38.868, 314.382) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 21 |
| <i>Color Blindness Simulation</i> | 24 |
| <i>CSS Examples</i> | 27 |

Color

CIELCh(64, 38.868, 314.382)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | B48CCD |
| RGB | 180, 140, 205 |
| RGB Percent | 71%, 55%, 80% |
| CMY | 0.2947, 0.4515, 0.1967 |
| CMYK | 0.12, 0.32, 0.00, 0.20 |
| HSL | 277°, 39%, 68% |
| HSV | 277°, 32%, 80% |
| XYZ | 39.1475, 32.8017, 61.9318 |
| YIQ | 159.3700, 2.9750, 28.6950 |

Conversions

Conversions Part 2

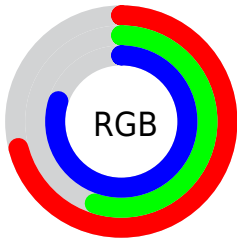
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 180, 140, 205 |
| Decimal | 11832525 |
| CIE Lab | 64.00, 27.19, -27.78 |
| CIE LCh | 64, 38.868, 314.382 |
| Yxy | 32.8017, 0.2924, 0.2450 |
| Android (android.graphics.Color) | 4290022605 (0xFFB48CCD) |
| YUV | 159.3700, 22.4956, 18.0925 |
| Hunter-Lab | 57.2727, 21.7824, -24.0223 |

Details

The CIELCh color $64, 38.868, 314.382$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $78, 37.632, 131.538$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 35.331, 316.397$, and $44, 39.307, 314.170$ is the 20% darker color. If you saturate the color by 10%, you get $58, 51.379, 314.831$, and if you desaturate by 10%, it is $70, 26.380, 313.923$.

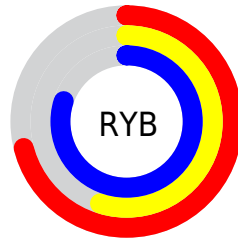
Distribution



Red (71%)

Green (55%)

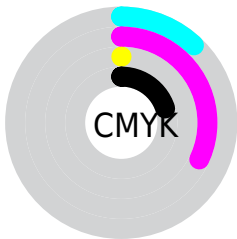
Blue (80%)



Red (71%)

Yellow (55%)

Blue (80%)

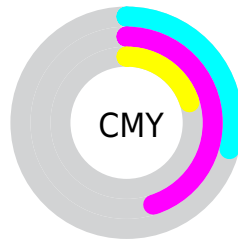


Cyan (12%)

Magenta (32%)

Yellow (0%)

Black (20%)



Cyan (29%)

Magenta (45%)


Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 38.868, 314.382 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, 38.868, 314.382 by changing the saturation by 10% instead.

 64, 38.868,
314.382

 64, 38.868,
314.382


 100, 38.868,
314.382


 54, 38.868,
314.382


 84, 38.868,
314.382

 44, 38.868,
314.382

 94, 38.868,
314.382

 34, 38.868,
314.382

 24, 38.868,
314.382

 14, 38.868,
314.382

 4, 38.868, 314.382

 0, 38.868, 314.382

64, 38.868,
314.382

64, 38.868,
314.382

58, 51.379,
314.831

70, 26.380,
313.923

53, 63.657,
315.240

75, 14.079,
313.473

48, 75.298,
315.561

81, 2.052, 312.987

44, 85.732,
315.730

87, 9.655, 132.691

40, 94.253,
315.668

93, 21.024,
132.327


37, 100.187,
315.289

97, 27.463,
130.114

36, 103.291,
314.760

97, 26.468,
124.456

98, 25.758,
118.322

 99, 25.372,
111.831

Harmonies

Complementary

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



64, 38.868, 314.382



78, 37.632, 131.538

Rectangle

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



64, 38.868, 314.382



64, 38.868, 4.382



64, 38.868, 134.382



64, 38.868, 184.382

Sweetspot

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



64, 38.866, 314.382



93, 14.317, 313.403



67, 22.816, 270.517



49, 9.784, 313.466



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, 38.866, 314.382



74, 55.829, 314.688



66, 39.604, 329.114



40, 6.770, 313.370



28, 88.139, 314.922



3, 25.227, 311.233

Inverse Universe

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



65, 28.506, 353.728



76, 40.926, 354.678



77, 39.576, 144.951



40, 4.937, 351.173



35, 61.555, 12.679



4, 18.990, 0.404

Previews

White Background



This preview shows how the CIELCh color 64, 38.868, 314.382 looks on a white background.

Color Contrast Check

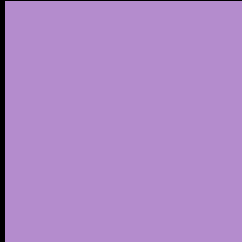
Large Text (above 18pt) WCAG AA × Fail

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, 38.868, 314.382 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

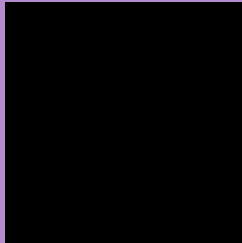
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 38.868, 314.382

Background



This preview shows how black text looks on a background with the CIELCh color 64, 38.868, 314.382.

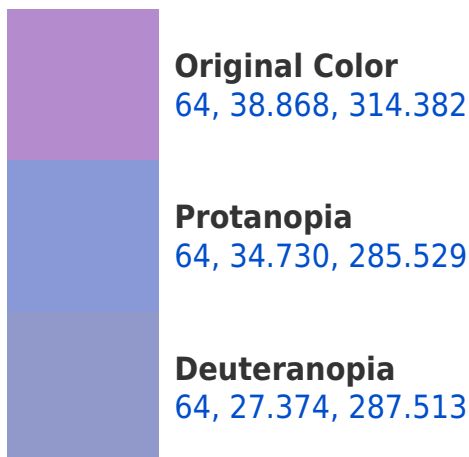


This preview shows how white text looks on a background with the CIELCh color 64, 38.868, 314.382.

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, 11.114, 347.139

Trichromacy



Original Color
64, 38.868, 314.382

Protanomaly
64, 35.281, 296.451

Deuteranomaly
64, 30.996, 299.568

Tritanomaly
64, 19.955, 324.424

Monochromacy



Original Color
64, 38.868, 314.382

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 14.534, 313.869

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 38.868, 314.382 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, 140, 205)` looks like.

```
.text, #text, p{  
    color:rgb(180, 140, 205)  
}
```

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, 140, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 140, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 38.868, 314.382 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, 140, 205) }
```

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

```
.border{ border-color:rgb(180, 140, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 140, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(180, 140, 205); -webkit-box-shadow:4px 4px 4px 4px rgb(180, 140, 205); box-shadow:4px 4px 4px 4px rgb(180, 140, 205) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 38.868, 314.382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 140, 205) }
```

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

```
.background{ background-color: rgb(180,  
140, 205) }
```

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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