

Converting Colors

CIELCh(64, 40.989, 315.948)

Have a look what the booklet for
CIELCh(64, 40.989, 315.948)
contains.

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Color

CIELCh(64, 41.007, 315.929)

Conversions

Conversions Part 1

Format	Color
Hex	B78ACE
RGB	183, 138, 206
RGB Percent	72%, 54%, 81%
CMY	0.2815, 0.4580, 0.1912
CMYK	0.11, 0.33, 0.00, 0.19
HSL	280°, 41%, 68%
HSV	280°, 33%, 81%
XYZ	39.8707, 32.8017, 62.7694
YIQ	159.2070, 4.9920, 30.6880

Conversions

Conversions Part 2

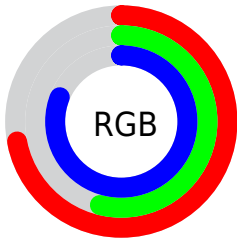
Format	Color
RYB	183, 138, 206
Decimal	12028622
CIELab	64.00, 29.46, -28.52
CIELCh	64, 41.007, 315.929
Yxy	32.8017, 0.2944, 0.2422
Android (android.graphics.Color)	4290218702 (0xFFB78ACE)
YUV	159.2070, 23.0689, 20.8665
Hunter-Lab	57.2727, 24.0363, -24.8894

Details

The CIELCh color $64, 41.007, 315.929$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $78, 39.850, 132.960$, and the grayscale version is $66, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 37.130, 318.741$, and $44, 40.952, 316.114$ is the 20% darker color. If you saturate the color by 10%, you get $59, 53.581, 316.352$, and if you desaturate by 10%, it is $70, 28.370, 315.486$.

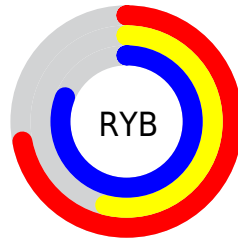
Distribution



Red (72%)

Green (54%)

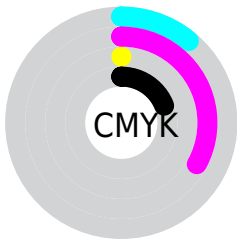
Blue (81%)



Red (72%)

Yellow (54%)

Blue (81%)

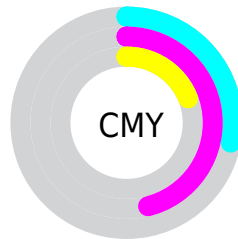


Cyan (11%)

Magenta (33%)

Yellow (0%)

Black (19%)



Cyan (28%)

Magenta (46%)

Yellow (19%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 41.007, 315.929 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, 41.007, 315.929 by changing the saturation by 10% instead.

 64, 41.007,
315.929


 64, 41.007,
315.929


 100, 41.007,
315.929


 54, 41.007,
315.929

 84, 41.007,
315.929

 44, 41.007,
315.929

 94, 41.007,
315.929

 34, 41.007,
315.929

 24, 41.007,
315.929

 14, 41.007,
315.929

 4, 41.007, 315.929

 0, 41.007, 315.929

64, 41.007,
315.929

64, 41.007,
315.929

59, 53.581,
316.352

70, 28.370,
315.486

53, 65.799,
316.723

75, 15.866,
315.043

49, 77.216,
316.995

81, 3.604, 314.585

45, 87.238,
317.107

87, 8.354, 134.260

41, 95.182,
316.985

93, 19.979,
133.884

39, 100.464,
316.558

97, 27.124,
132.088

37, 102.838,
316.111

97, 26.153,
127.137

98, 25.394,
121.764

■ 98, 24.880,
116.039

Harmonies

Complementary

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



64, 41.007, 315.929



78, 39.850, 132.960

Rectangle

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



64, 41.007, 315.929



64, 41.007, 5.929



64, 41.007, 135.929



64, 41.007, 185.929

Sweetspot

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



64, 41.005, 315.929



93, 14.478, 314.918



66, 25.364, 275.028



49, 9.893, 314.980



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, 41.005, 315.929



73, 59.234, 316.250



66, 39.974, 330.855



40, 6.847, 314.885



30, 87.328, 316.267



3, 25.588, 313.223

Inverse Universe

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



65, 29.214, 357.024



75, 42.308, 358.171



77, 39.896, 146.346



40, 4.809, 354.189



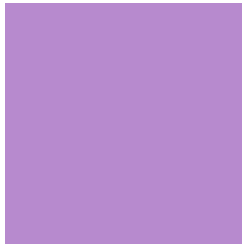
35, 62.367, 17.087



4, 18.728, 2.937

Previews

White Background



This preview shows how the CIELCh color 64, 41.007, 315.929 looks on a white background.

Color Contrast Check

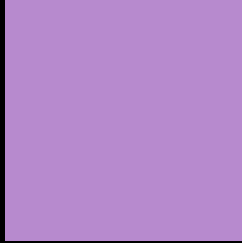
Large Text (above 18pt) WCAG AA × Fail

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, 41.007, 315.929 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, 41.007, 315.929

Background



This preview shows how black text looks on a background with the CIELCh color 64, 41.007, 315.929.




This preview shows how white text looks on a background with the CIELCh color 64, 41.007, 315.929.

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, 12.460, 351.313

Trichromacy



Original Color
64, 41.007, 315.929

Protanomaly
64, 36.937, 296.466

Deuteranomaly
64, 31.546, 299.495

Tritanomaly
64, 22.125, 327.943

Monochromacy



Original Color
64, 41.007, 315.929

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 15.349, 315.676

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 41.007, 315.929 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(183, 138, 206)` looks like.

```
.text, #text, p{  
    color:rgb(183, 138, 206)  
}
```

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(183, 138, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 138, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 41.007, 315.929 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(183, 138, 206) }
```

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

```
.border{ border-color:rgb(183, 138, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 138, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 138, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 138, 206);  
box-shadow:4px 4px 4px 4px rgb(183, 138,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 41.007, 315.929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 138, 206) }
```

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

```
.background{ background-color: rgb(183,  
138, 206) }
```

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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