

Converting Colors

CIELCh(64, 18.303, 332.404)

Have a look what the booklet for
CIELCh(64, 18.303, 332.404)
contains.

CIELCh(64, 18.047, 333.500)	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, 18.047, 333.500)

Conversions

Conversions Part 1	
Format	Color
Hex	B292AA
RGB	178, 146, 170
RGB Percent	70%, 57%, 67%
CMY	0.3030, 0.4285, 0.3344
CMYK	0.00, 0.18, 0.04, 0.30
HSL	315°, 17%, 63%
HSV	315°, 18%, 70%
XYZ	35.7662, 32.8017, 42.3430
YIQ	158.3040, 11.3680, 14.2480

Conversions

Conversions Part 2

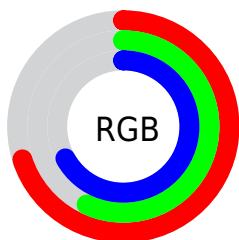
Format	Color
RYB	178, 146, 170
Decimal	11702954
CIELab	64.00, 16.15, -8.05
CIELCh	64, 18.047, 333.500
Yxy	32.8017, 0.3225, 0.2957
Android (android.graphics.Color)	4289893034 (0xFFB292AA)
YUV	158.3040, 5.7661, 17.2734
Hunter-Lab	57.2727, 11.2439, -3.7435

Details

The CIELCh color **64, 18.047, 333.500** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **70, 17.948, 151.080**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 18.002, 333.852**, and **44, 18.288, 333.225** is the 20% darker color. If you saturate the color by 10%, you get **60, 28.118, 334.207**, and if you desaturate by 10%, it is **69, 7.971, 332.814**.

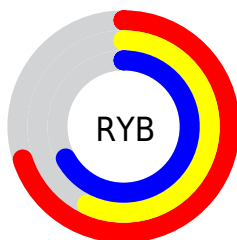
Distribution



Red (70%)

Green (57%)

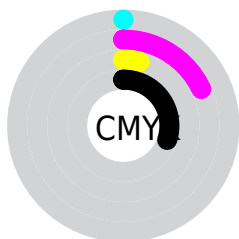
Blue (67%)



Red (70%)

Yellow (57%)

Blue (67%)

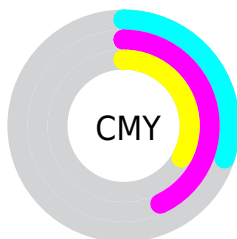


Cyan (0%)

Magenta (18%)

Yellow (4%)

Black (30%)



Cyan (30%)

Magenta (43%)


Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 18.047, 333.500 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, 18.047, 333.500 by changing the saturation by 10% instead.

 64, 18.047,
333.500


 64, 18.047,
333.500


 100, 18.047,
333.500


 54, 18.047,
333.500


 84, 18.047,
333.500

 44, 18.047,
333.500

 94, 18.047,
333.500

 34, 18.047,
333.500


 24, 18.047,
333.500

 14, 18.047,
333.500

 4, 18.047, 333.500


 0, 18.047, 333.500

 64, 18.047,
333.500


 64, 18.047,
333.500


 60, 28.118,
334.207


 69, 7.971, 332.814


 55, 37.982,
334.947


 73, 1.968, 152.367


 51, 47.340,
335.729


 78, 11.687,
151.640


 48, 55.806,
336.565

 83, 21.144,
151.058


 45, 62.927,
337.475

 88, 30.317,
150.513


 43, 68.256,
338.493

 93, 39.205,
150.001

 41, 71.473,
339.665


 94, 39.013,
151.757

 40, 72.672,

 94, 37.318,
154.074

341.030

 94, 35.674,
156.596

 40, 72.838,
341.312

Harmonies

Complementary

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



64, 18.047, 333.500



70, 17.948, 151.080

Rectangle

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



64, 18.047, 333.500



64, 18.047, 23.500



64, 18.047, 153.500



64, 18.047, 203.500

Sweetspot

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



64, 18.045, 333.501



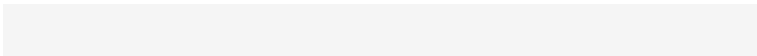
89, 6.177, 332.604



62, 18.231, 300.538



47, 4.251, 332.656



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



64, 18.045, 333.501



79, 27.437, 333.807



64, 13.401, 0.083



35, 5.670, 332.905



34, 65.355, 341.116



2, 12.736, 336.133

Inverse Universe

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



64, 18.045, 333.501



79, 27.437, 333.807



70, 12.652, 176.671



35, 5.670, 332.905



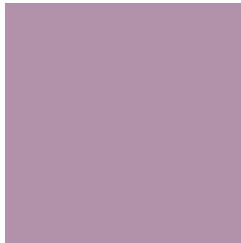
34, 65.355, 341.116



2, 12.736, 336.133

Previews

White Background



This preview shows how the CIELCh color 64, 18.047, 333.500 looks on a white background.

Color Contrast Check

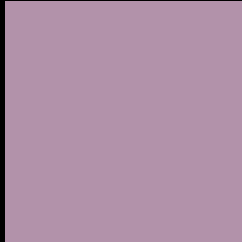
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 64, 18.047, 333.500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

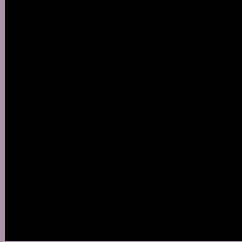
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 18.047, 333.500

Background



This preview shows how black text looks on a background with the CIELCh color 64, 18.047, 333.500.



This preview shows how white text looks on a background with the CIELCh color 64, 18.047, 333.500.

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, 18.047, 333.500

Protanopia

64, 11.725, 287.898

Deuteranopia





64, 11.214, 316.860




Tritanopia

64, 12.460, 351.313

Trichromacy

	Original Color 64, 18.047, 333.500
	Protanomaly 64, 12.884, 308.057
	Deuteranomaly 64, 13.509, 325.063
	Tritanomaly 64, 14.571, 343.275

Monochromacy

	Original Color 64, 18.047, 333.500
	Achromatopsia 65, 0.008, 296.813
	Achromatomaly 65, 6.147, 333.592

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 18.047, 333.500 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(178, 146, 170)` looks like.

```
.text, #text, p{  
    color:rgb(178, 146, 170)  
}
```

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(178, 146, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 146, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 18.047, 333.500 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(178, 146, 170) }
```

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

```
.border{ border-color:rgb(178, 146, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 146, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 146, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 146, 170);  
box-shadow:4px 4px 4px 4px rgb(178, 146,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 18.047, 333.500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 146, 170) }
```

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

```
.background{ background-color: rgb(178,  
146, 170) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor