

Converting Colors

CIELCh(64, 33.140, 336.570)

Have a look what the booklet for
CIELCh(64, 33.140, 336.570)
contains.

CIELCh(64, 33.010, 336.830)	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, 33.010, 336.830)

Conversions

Conversions Part 1

Format	Color
Hex	C688B3
RGB	198, 136, 179
RGB Percent	78%, 53%, 70%
CMY	0.2241, 0.4672, 0.2986
CMYK	0.00, 0.31, 0.10, 0.22
HSL	318°, 35%, 65%
HSV	318°, 31%, 78%
XYZ	40.1541, 32.8017, 46.7846
YIQ	159.4400, 23.1490, 26.5170

Conversions

Conversions Part 2

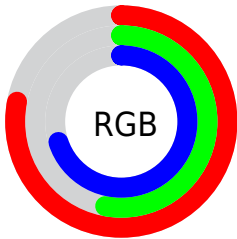
Format	Color
R_{YB}	198, 136, 179
Decimal	13011123
CIE _{Lab}	64.00, 30.35, -12.99
CIE _{LCh}	64, 33.010, 336.830
Yxy	32.8017, 0.3353, 0.2739
Android (android.graphics.Color)	4291201203 (0xFFC688B3)
YUV	159.4400, 9.6431, 33.8171
Hunter-Lab	57.2727, 24.9197, -8.3416

Details

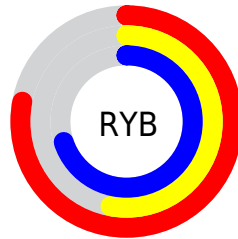
The CIELCh color **64, 33.010, 336.830** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **75, 32.632, 151.988**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 32.986, 336.449**, and **44, 32.922, 336.928** is the 20% darker color. If you saturate the color by 10%, you get **59, 43.249, 337.676**, and if you desaturate by 10%, it is **69, 22.462, 336.043**.

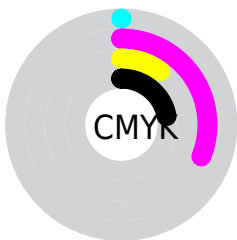
Distribution



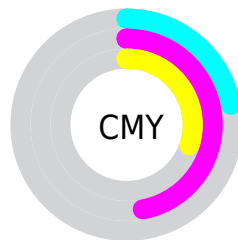
- Red (78%)
- Green (53%)
- Blue (70%)



- Red (78%)
- Yellow (53%)
- Blue (70%)



- Cyan (0%)
- Magenta (31%)
- Yellow (10%)
- Black (22%)





- Cyan (22%)
- Magenta (47%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 33.010, 336.830 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, 33.010, 336.830 by changing the saturation by 10% instead.

 64, 33.010,
336.830


 64, 33.010,
336.830


 100, 33.010,
336.830


 54, 33.010,
336.830


 84, 33.010,
336.830

 44, 33.010,
336.830

 94, 33.010,
336.830

 34, 33.010,
336.830

 24, 33.010,
336.830

 14, 33.010,
336.830

 4, 33.010, 336.830

 0, 33.010, 336.830

64, 33.010,
336.830

64, 33.010,
336.830

59, 43.249,
337.676

69, 22.462,
336.043

55, 52.832,
338.598

74, 11.865,
335.297

52, 61.301,
339.621

79, 1.387, 334.394

49, 68.147,
340.788

84, 8.872, 154.029

46, 72.906,
342.157

90, 18.854,
153.399


45, 75.321,
343.804

95, 28.535,
152.820

44, 75.878,
345.469

95, 26.551,
157.230

96, 24.477,
162.508

 96, 22.621,
168.672

Harmonies

Complementary

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



64, 33.010, 336.830



75, 32.632, 151.988

Rectangle

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



64, 33.010, 336.830



64, 33.010, 26.830



64, 33.010, 156.830



64, 33.010, 206.830

Sweetspot

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



64, 33.008, 336.831



94, 11.562, 335.136



60, 35.702, 303.939



49, 8.043, 335.244



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, 33.008, 336.831



77, 48.994, 337.436



63, 25.643, 6.769



39, 5.955, 335.154



36, 65.954, 345.151



4, 20.453, 340.973

Inverse Universe

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



64, 33.008, 336.831



77, 48.994, 337.436



75, 22.510, 180.343



39, 5.955, 335.154



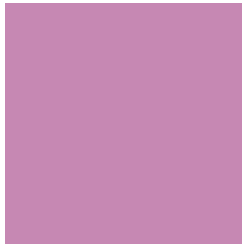
36, 65.954, 345.151



4, 20.453, 340.973

Previews

White Background



This preview shows how the CIELCh color 64, 33.010, 336.830 looks on a white background.

Color Contrast Check

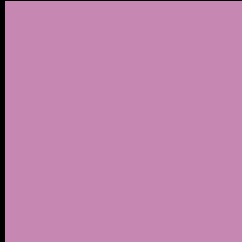
Large Text (above 18pt) WCAG AA × Fail

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, 33.010, 336.830 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, 33.010, 336.830

Background



This preview shows how black text looks on a background with the CIELCh color 64, 33.010, 336.830.



This preview shows how white text looks on a background with the CIELCh color 64, 33.010, 336.830.

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, 21.858, 5.624

Trichromacy



Original Color
64, 33.010, 336.830

Protanomaly
64, 23.368, 308.364

Deuteranomaly
64, 20.903, 322.753

Tritanomaly
64, 25.059, 351.651

Monochromacy



Original Color
64, 33.010, 336.830

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 11.851, 335.883

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 33.010, 336.830 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(198, 136, 179)` looks like.

```
.text, #text, p{  
    color:rgb(198, 136, 179)  
}
```

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(198, 136, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 136, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 33.010, 336.830 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(198, 136, 179) }
```

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

```
.border{ border-color:rgb(198, 136, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 136, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 136, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 136, 179);  
box-shadow:4px 4px 4px 4px rgb(198, 136,  
179) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 33.010, 336.830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 136, 179) }
```

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

```
.background{ background-color: rgb(198,  
136, 179) }
```

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