

Converting Colors

CIELCh(65, 33.693, 332.661)

Have a look what the booklet for
CIELCh(65, 33.693, 332.661)
contains.

CIELCh(65, 33.732, 332.557)	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(65, 33.732, 332.557)

Conversions

Conversions Part 1

Format	Color
Hex	C68BBA
RGB	198, 139, 186
RGB Percent	78%, 55%, 73%
CMY	0.2233, 0.4546, 0.2703
CMYK	0.00, 0.30, 0.06, 0.22
HSL	312°, 34%, 66%
HSV	312°, 30%, 78%
XYZ	41.4191, 34.0472, 50.8809
YIQ	161.9990, 20.0770, 27.1250

Conversions

Conversions Part 2

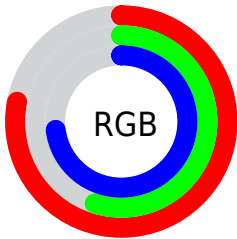
Format	Color
RYB	198, 139, 186
Decimal	13011898
CIELab	65.00, 29.94, -15.55
CIELCh	65, 33.732, 332.557
Yxy	34.0472, 0.3278, 0.2695
Android (android.graphics.Color)	4291201978 (0xFFC68BBA)
YUV	161.9990, 11.8325, 31.5729
Hunter-Lab	58.3500, 24.5939, -10.8556

Details

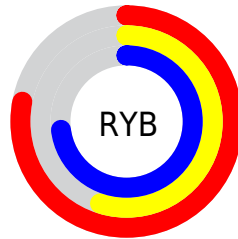
The CIELCh color $65, 33.732, 332.557$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $75, 33.579, 148.396$, and the grayscale version is $67, 0.008, 296.813$.

A 20% lighter version of the original color is $85, 33.675, 332.442$, and $45, 33.731, 332.281$ is the 20% darker color. If you saturate the color by 10%, you get $60, 44.743, 333.251$, and if you desaturate by 10%, it is $70, 22.406, 331.885$.

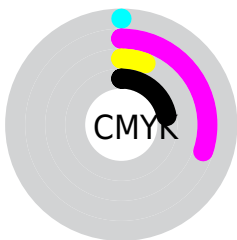
Distribution



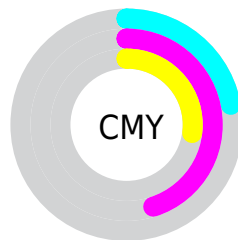
- Red (78%)
- Green (55%)
- Blue (73%)



- Red (78%)
- Yellow (55%)
- Blue (73%)



- Cyan (0%)
- Magenta (30%)
- Yellow (6%)
- Black (22%)





- Cyan (22%)
- Magenta (45%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 33.732, 332.557 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 65, 33.732, 332.557 by changing the saturation by 10% instead.


 65, 33.732,
332.557


 65, 33.732,
332.557


 100, 33.732,
332.557


 55, 33.732,
332.557


 85, 33.732,
332.557

 45, 33.732,
332.557

 95, 33.732,
332.557

 35, 33.732,
332.557

 25, 33.732,
332.557

 15, 33.732,
332.557

 5, 33.732, 332.557

 0, 33.732, 332.557

65, 33.732,
332.557

65, 33.732,
332.557

60, 44.743,
333.251

70, 22.406,
331.885

56, 55.090,
333.968

75, 11.029,
331.227

53, 64.317,
334.715

80, 0.229, 151.983

50, 71.915,
335.506

85, 11.259,
150.073

47, 77.410,
336.363

91, 22.003,
149.496

46, 80.514,
337.321

95, 30.682,
149.391


45, 81.538,
338.401

95, 29.106,
151.967

45, 81.554,

95, 27.584,
154.818

338.425

 96, 26.126,
157.980

Harmonies

Complementary

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



65, 33.732, 332.557



75, 33.579, 148.396

Rectangle

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



65, 33.732, 332.557



65, 33.732, 22.557



65, 33.732, 152.557



65, 33.732, 202.557

Sweetspot

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



65, 33.730, 332.557



94, 12.444, 331.184



61, 33.614, 300.450



49, 8.655, 331.282



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



65, 33.730, 332.557



78, 49.855, 333.023



64, 25.058, 359.228



39, 6.410, 331.201



37, 70.788, 338.250



4, 22.379, 335.191

Inverse Universe

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



65, 33.730, 332.557



78, 49.855, 333.023



76, 22.954, 173.041



39, 6.410, 331.201



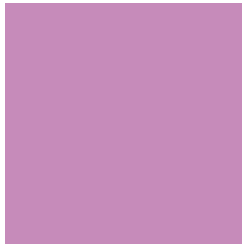
37, 70.788, 338.250



4, 22.379, 335.191

Previews

White Background



This preview shows how the CIELCh color 65, 33.732, 332.557 looks on a white background.

Color Contrast Check

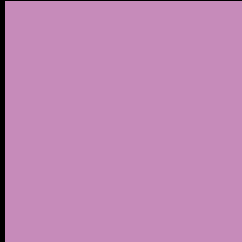
Large Text (above 18pt) WCAG AA × Fail

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 65, 33.732, 332.557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

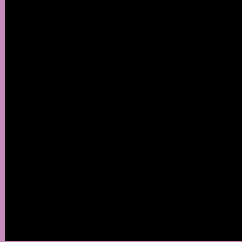
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 33.732, 332.557

Background



This preview shows how black text looks on a background with the CIELCh color 65, 33.732, 332.557.



This preview shows how white text looks on a background with the CIELCh color 65, 33.732, 332.557.

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


65, 33.732, 332.557

Protanopia

65, 23.436, 286.020

Deuteranopia

65, 16.389, 300.663



Tritanopia
65, 20.211, 4.082

Trichromacy



Original Color
65, 33.732, 332.557

Protanomaly
65, 25.256, 305.473

Deuteranomaly
65, 21.590, 316.979

Tritanomaly
65, 23.900, 348.292

Monochromacy



Original Color
65, 33.732, 332.557

Achromatopsia
67, 0.008, 296.813

Achromatomaly
66, 12.353, 330.908

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 33.732, 332.557 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, 139, 186)` looks like.

```
.text, #text, p{  
    color:rgb(198, 139, 186)  
}
```

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, 139, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 139, 186) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 33.732, 332.557 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, 139, 186) }
```

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

```
.border{ border-color:rgb(198, 139, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 139, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 139, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 139, 186);  
box-shadow:4px 4px 4px 4px rgb(198, 139,  
186) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 33.732, 332.557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 139, 186) }
```

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

```
.background{ background-color: rgb(198,  
139, 186) }
```

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