

Converting Colors

CIELCh(64, 37.582, 335.882)

Have a look what the booklet for
CIELCh(64, 37.582, 335.882)
contains.

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Color

CIELCh(64, 37.572, 336.195)

Conversions

Conversions Part 1

Format	Color
Hex	CB85B7
RGB	203, 133, 183
RGB Percent	80%, 52%, 72%
CMY	0.2047, 0.4792, 0.2831
CMYK	0.00, 0.35, 0.10, 0.20
HSL	317°, 40%, 66%
HSV	317°, 35%, 80%
XYZ	41.4614, 32.8017, 48.8385
YIQ	159.6300, 25.6700, 30.3900

Conversions

Conversions Part 2

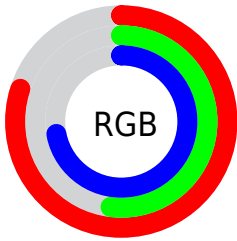
Format	Color
R _Y B	203, 133, 183
Decimal	13338039
CIE Lab	64.00, 34.38, -15.17
CIE LCh	64, 37.572, 336.195
Yxy	32.8017, 0.3368, 0.2665
Android (android.graphics.Color)	4291528119 (0xFFCB85B7)
YUV	159.6300, 11.5214, 38.0355
Hunter-Lab	57.2727, 28.9941, -10.4677

Details

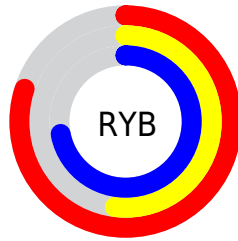
The CIELCh color $64, 37.572, 336.195$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $76, 37.198, 150.859$, and the grayscale version is $66, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 36.280, 333.579$, and $44, 37.558, 336.378$ is the 20% darker color. If you saturate the color by 10%, you get $59, 47.975, 337.029$, and if you desaturate by 10%, it is $69, 26.734, 335.417$.

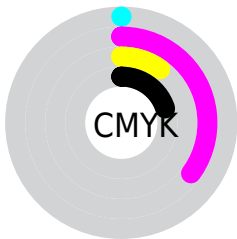
Distribution



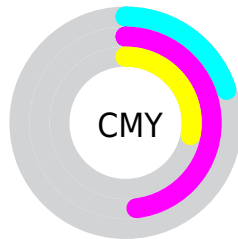
- Red (80%)
- Green (52%)
- Blue (72%)



- Red (80%)
- Yellow (52%)
- Blue (72%)



- Cyan (0%)
- Magenta (35%)
- Yellow (10%)
- Black (20%)





- Cyan (20%)
- Magenta (48%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 37.572, 336.195 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, 37.572, 336.195 by changing the saturation by 10% instead.

 64, 37.572,
336.195


 64, 37.572,
336.195


 100, 37.572,
336.195


 54, 37.572,
336.195


 84, 37.572,
336.195

 44, 37.572,
336.195

 94, 37.572,
336.195

 34, 37.572,
336.195

 24, 37.572,
336.195

 14, 37.572,
336.195

 4, 37.572, 336.195

 0, 37.572, 336.195

64, 37.572,
336.195

64, 37.572,
336.195

59, 47.975,
337.029

69, 26.734,
335.417

55, 57.549,
337.933

74, 15.766,
334.679

52, 65.798,
338.933

79, 4.864, 333.944

49, 72.202,
340.071

85, 5.842, 153.423

47, 76.337,
341.403

90, 16.281,
152.774


46, 78.047,
342.999

96, 26.417,
152.188

45, 78.307,
343.972

96, 24.564,
156.675

96, 22.572,
162.098

 96, 20.795,
168.473

Harmonies

Complementary

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



64, 37.572, 336.195



76, 37.198, 150.859

Rectangle

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



64, 37.572, 336.195



64, 37.572, 26.195



64, 37.572, 156.195



64, 37.572, 206.195

Sweetspot

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



64, 37.569, 336.196



94, 13.048, 334.365



60, 40.281, 303.661



49, 8.911, 334.467



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, 37.569, 336.196



75, 53.433, 336.776



63, 29.090, 6.014



40, 6.172, 334.312



37, 67.588, 343.678



4, 22.994, 339.923

Inverse Universe

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



64, 37.569, 336.196



75, 53.433, 336.776



77, 25.352, 178.687



40, 6.172, 334.312



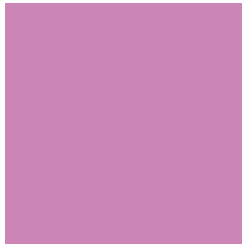
37, 67.588, 343.678



4, 22.994, 339.923

Previews

White Background



This preview shows how the CIELCh color 64, 37.572, 336.195 looks on a white background.

Color Contrast Check

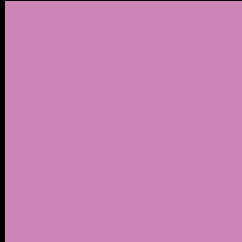
Large Text (above 18pt) WCAG AA × Fail

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, 37.572, 336.195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

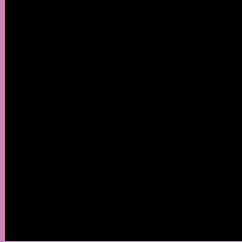
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 37.572, 336.195

Background



This preview shows how black text looks on a background with the CIELCh color 64, 37.572, 336.195.

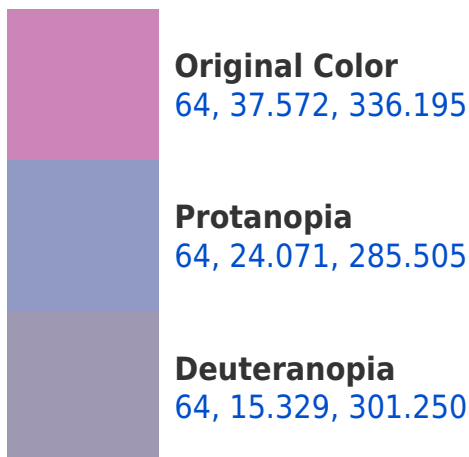


This preview shows how white text looks on a background with the CIELCh color 64, 37.572, 336.195.

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, 24.657, 7.856

Trichromacy



Original Color
64, 37.572, 336.195



Protanomaly
64, 26.777, 307.992



Deuteranomaly
64, 22.497, 321.378



Tritanomaly
64, 27.919, 352.898

Monochromacy



Original Color
64, 37.572, 336.195



Achromatopsia
65, 0.008, 296.813



Achromatomaly
65, 14.489, 334.034

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 37.572, 336.195 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(203, 133, 183)` looks like.

```
.text, #text, p{  
    color:rgb(203, 133, 183)  
}
```

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(203, 133, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 133, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 37.572, 336.195 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(203, 133, 183) }
```

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

```
.border{ border-color:rgb(203, 133, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 133, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 133, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 133, 183);  
box-shadow:4px 4px 4px 4px rgb(203, 133,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 37.572, 336.195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 133, 183) }
```

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

```
.background{ background-color: rgb(203,  
133, 183) }
```

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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