

# Converting Colors

CIELCh(64, 32.568, 350.337)

Have a look what the booklet for  
CIELCh(64, 32.568, 350.337)  
contains.

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# Color

**CIELCh(64, 32.568, 350.337)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CE86A6
RGB	206, 134, 166
RGB Percent	81%, 53%, 65%
CMY	0.1933, 0.4755, 0.3501
CMYK	0.00, 0.35, 0.19, 0.19
HSL	333°, 42%, 67%
HSV	333°, 35%, 81%
XYZ	40.7214, 32.8017, 40.1325
YIQ	159.1760, 32.6400, 25.2160

# Conversions

## Conversions Part 2

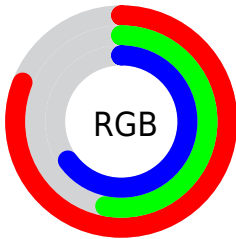
Format	Color
R <sub>Y</sub> B	206, 134, 166
Decimal	13534886
CIE Lab	64.00, 32.11, -5.47
CIE LCh	64, 32.568, 350.337
Yxy	32.8017, 0.3583, 0.2886
Android (android.graphics.Color)	4291724966 (0xFFCE86A6)
YUV	159.1760, 3.3642, 41.0646
Hunter-Lab	57.2727, 26.6877, -1.4551

# Details

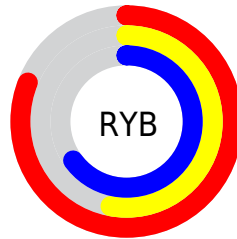
The CIELCh color  $64, 32.568, 350.337$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $77, 30.790, 163.316$ , and the grayscale version is  $65, 0.008, 296.813$ .

A 20% lighter version of the original color is  $83, 29.824, 346.491$ , and  $44, 32.389, 350.386$  is the 20% darker color. If you saturate the color by 10%, you get  $59, 41.782, 351.742$ , and if you desaturate by 10%, it is  $69, 23.132, 349.136$ .

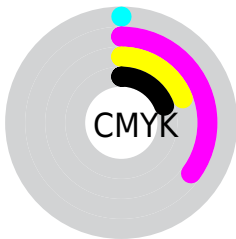
# Distribution



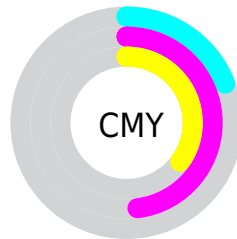
- Red (81%)
- Green (53%)
- Blue (65%)



- Red (81%)
- Yellow (53%)
- Blue (65%)



- Cyan (0%)
- Magenta (35%)
- Yellow (19%)
- Black (19%)




- Cyan (19%)
- Magenta (48%)
- Yellow (35%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 32.568, 350.337 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, 32.568, 350.337 by changing the saturation by 10% instead.




 64, 32.568,  
350.337


 64, 32.568,  
350.337


 100, 32.568,  
350.337


 54, 32.568,  
350.337


 84, 32.568,  
350.337

 44, 32.568,  
350.337

 94, 32.568,  
350.337

 34, 32.568,  
350.337

 24, 32.568,  
350.337

 14, 32.568,  
350.337

 4, 32.568, 350.337

 0, 32.568, 350.337

64, 32.568,  
350.337

64, 32.568,  
350.337

59, 41.782,  
351.742

69, 23.132,  
349.136

55, 50.431,  
353.420

74, 13.728,  
348.078

51, 58.066,  
355.478

80, 4.507, 347.086

48, 64.215,  
358.057

85, 4.443, 166.449

46, 68.521, 1.327

91, 13.079,  
165.630

44, 70.951, 5.450

96, 20.164,  
166.419

44, 71.820, 7.736

97, 17.392,  
182.437

97, 16.340,  
198.420



# Harmonies

# Complementary

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



64, 32.568, 350.337



77, 30.790, 163.316

# Rectangle

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



64, 32.568, 350.337



64, 32.568, 40.337



64, 32.568, 170.337



64, 32.568, 220.337

# Sweetspot

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



64, 32.565, 350.339



93, 10.834, 347.599



62, 42.651, 312.421



49, 7.406, 347.738



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, 32.565, 350.339



74, 46.500, 351.374



64, 28.623, 26.213



40, 5.122, 347.527



35, 61.153, 6.912



4, 19.418, 356.928



# Inverse Universe

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



64, 32.565, 350.339



74, 46.500, 351.374



77, 22.292, 202.822



40, 5.122, 347.527



35, 61.153, 6.912

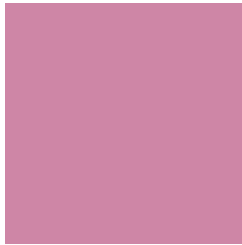


4, 19.418, 356.928



# Previews

## White Background



This preview shows how the CIELCh color 64, 32.568, 350.337 looks on a white background.

## Color Contrast Check

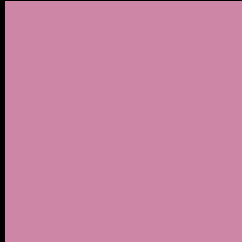
Large Text (above 18pt) WCAG AA × Fail

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, 32.568, 350.337 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

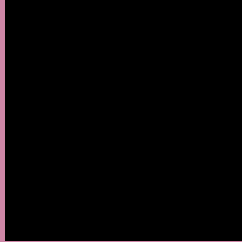
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 64, 32.568, 350.337

## Background



This preview shows how black text looks on a background with the CIELCh color 64, 32.568, 350.337.



This preview shows how white text looks on a background with the CIELCh color 64, 32.568, 350.337.

# 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, 32.568, 350.337

### Protanopia

64, 13.965, 287.270

### Deuteranopia

64, 9.086, 332.920





**Tritanopia**  
64, 27.453, 10.860

# Trichromacy



**Original Color**  
64, 32.568, 350.337

**Protanomaly**  
64, 17.582, 322.123

**Deuteranomaly**  
64, 17.392, 343.846

**Tritanomaly**  
64, 28.898, 2.616

# Monochromacy



**Original Color**  
64, 32.568, 350.337

**Achromatopsia**  
65, 0.008, 296.813

**Achromatomaly**  
65, 11.758, 349.324

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 64, 32.568, 350.337 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(206, 134, 166)` looks like.

```
.text, #text, p{  
    color:rgb(206, 134, 166)  
}
```

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(206, 134, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 134, 166) }
```

## Border

The CSS property to change the border of an element to CIELCh 64, 32.568, 350.337 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(206, 134, 166) }
```

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

```
.border{ border-color:rgb(206, 134, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 134, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 134, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 134, 166);  
box-shadow:4px 4px 4px 4px rgb(206, 134,  
166) }
```

# Background

The CSS property to change the background color of an element to CIELCh 64, 32.568, 350.337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 134, 166) }
```

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

```
.background{ background-color: rgb(206,  
134, 166) }
```

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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