

# Converting Colors

CIELCh(68, 40.490, 323.607)

Have a look what the booklet for  
CIELCh(68, 40.490, 323.607)  
contains.

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**Color**

**CIELCh(68, 40.568, 323.364)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CC92D2
RGB	204, 146, 210
RGB Percent	80%, 57%, 82%
CMY	0.2006, 0.4280, 0.1771
CMYK	0.03, 0.30, 0.00, 0.18
HSL	294°, 41%, 70%
HSV	294°, 30%, 82%
XYZ	46.7276, 37.9720, 65.7363
YIQ	170.6380, 14.0240, 32.2000

# Conversions

## Conversions Part 2

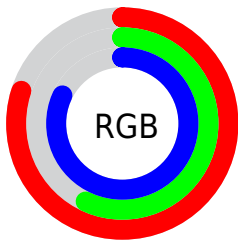
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 146, 210
Decimal	13406930
CIE <sub>Lab</sub>	68.00, 32.55, -24.21
CIE <sub>LCh</sub>	68, 40.568, 323.364
Yxy	37.9720, 0.3106, 0.2524
Android (android.graphics.Color)	4291597010 (0xFFCC92D2)
YUV	170.6380, 19.4055, 29.2585
Hunter-Lab	61.6215, 27.5193, -20.1142

# Details

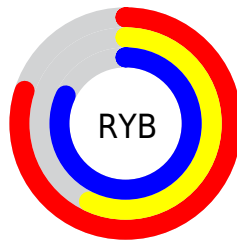
The CIELCh color  $68, 40.568, 323.364$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $79, 40.340, 140.030$ , and the grayscale version is  $70, 0.009, 296.813$ .

A 20% lighter version of the original color is  $87, 33.868, 325.602$ , and  $48, 40.712, 323.591$  is the 20% darker color. If you saturate the color by 10%, you get  $63, 53.576, 323.815$ , and if you desaturate by 10%, it is  $73, 27.241, 322.882$ .

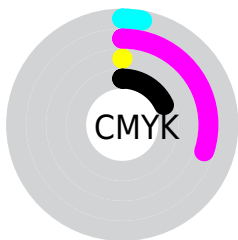
# Distribution



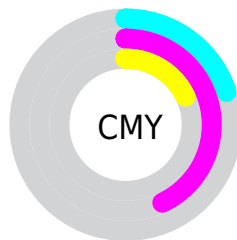
- Red (80%)
- Green (57%)
- Blue (82%)



- Red (80%)
- Yellow (57%)
- Blue (82%)



- Cyan (3%)
- Magenta (30%)
- Yellow (0%)
- Black (18%)



- Cyan (20%)
- Magenta (43%)
- Yellow (18%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 40.568, 323.364 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 68, 40.568, 323.364 by changing the saturation by 10% instead.




 68, 40.568,  
323.364

 68, 40.568,  
323.364

 100, 40.568,  
323.364


 58, 40.568,  
323.364


 88, 40.568,  
323.364

 48, 40.568,  
323.364

 98, 40.568,  
323.364

 38, 40.568,  
323.364

 28, 40.568,  
323.364

 18, 40.568,  
323.364

 8, 40.568, 323.364

 0, 40.568, 323.364

68, 40.568,  
323.364

68, 40.568,  
323.364

63, 53.576,  
323.815

73, 27.241,  
322.882

59, 65.890,  
324.214

78, 13.875,  
322.384

55, 77.022,  
324.535

84, 0.655, 321.541

52, 86.418,  
324.749

89, 12.303,  
141.459

49, 93.561,  
324.829

95, 24.933,  
140.994


47, 98.125,  
324.756

96, 27.127,  
139.961

46, 100.389,  
324.562

96, 26.756,  
138.744

97, 26.396,  
137.486

 97, 26.048,  
136.187

# Harmonies

# Complementary

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



68, 40.568, 323.364



79, 40.340, 140.030

# Rectangle

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



68, 40.568, 323.364



68, 40.568, 13.364



68, 40.568, 143.364



68, 40.568, 193.364

# Sweetspot

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



68, 40.566, 323.364



94, 13.927, 322.313



64, 32.105, 289.830



49, 9.687, 322.388



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



68, 40.566, 323.364



77, 57.484, 323.681



68, 31.660, 341.142



41, 7.475, 322.329



37, 85.175, 324.616



5, 30.320, 324.351



# Inverse Universe

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



67, 25.859, 14.784



76, 37.470, 15.841



79, 30.989, 155.977



41, 4.486, 12.360



35, 72.648, 35.846



4, 20.050, 15.100



# Previews

## White Background



This preview shows how the CIELCh color 68, 40.568, 323.364 looks on a white background.

## Color Contrast Check

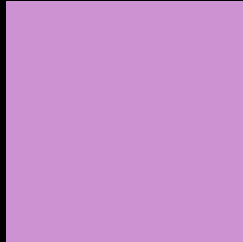
Large Text (above 18pt) WCAG AA × Fail

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 68, 40.568, 323.364 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

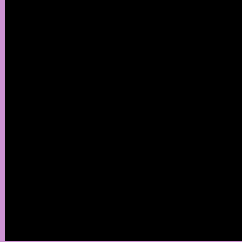
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 68, 40.568, 323.364

## Background



This preview shows how black text looks on a background with the CIELCh color 68, 40.568, 323.364.

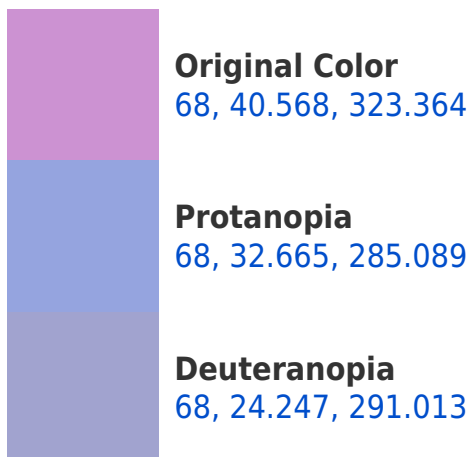


This preview shows how white text looks on a background with the CIELCh color 68, 40.568, 323.364.

# 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**  
68, 18.267, 0.174

# Trichromacy



**Original Color**  
68, 40.568, 323.364

**Protanomaly**  
68, 34.020, 300.177

**Deuteranomaly**  
68, 29.096, 306.579

**Tritanomaly**  
68, 24.982, 339.016

# Monochromacy



**Original Color**  
68, 40.568, 323.364

**Achromatopsia**  
70, 0.009, 296.813

**Achromatomaly**  
69, 14.902, 322.675

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 68, 40.568, 323.364 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(204, 146, 210)` looks like.

```
.text, #text, p{  
    color:rgb(204, 146, 210)  
}
```

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(204, 146, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 146, 210) }
```

## Border

The CSS property to change the border of an element to CIELCh 68, 40.568, 323.364 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(204, 146, 210) }
```

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

```
.border{ border-color:rgb(204, 146, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 146, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 146, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 146, 210);  
box-shadow:4px 4px 4px 4px rgb(204, 146,  
210) }
```

# Background

The CSS property to change the background color of an element to CIELCh 68, 40.568, 323.364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 146, 210) }
```

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

```
.background{ background-color: rgb(204,  
146, 210) }
```

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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