

# Converting Colors

CIELCh(66, 22.501, 323.896)

Have a look what the booklet for  
CIELCh(66, 22.501, 323.896)  
contains.

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# Color

**CIELCh(66, 22.466, 324.612)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B796B8
RGB	183, 150, 184
RGB Percent	72%, 59%, 72%
CMY	0.2825, 0.4119, 0.2786
CMYK	0.01, 0.18, 0.00, 0.28
HSL	298°, 19%, 65%
HSV	298°, 18%, 72%
XYZ	39.0687, 35.3238, 50.0869
YIQ	163.7430, 8.7540, 17.5700

# Conversions

## Conversions Part 2

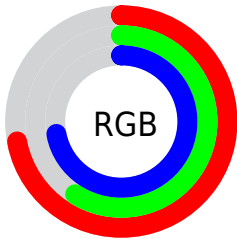
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	183, 150, 184
Decimal	12031672
CIE <sub>Lab</sub>	66.00, 18.32, -13.01
CIE <sub>LCh</sub>	66, 22.466, 324.612
Yxy	35.3238, 0.3139, 0.2838
Android (android.graphics.Color)	4290221752 (0xFFB796B8)
YUV	163.7430, 9.9867, 16.8884
Hunter-Lab	59.4338, 13.3274, -8.3620

# Details

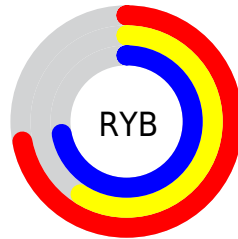
The CIELCh color  $66, 22.466, 324.612$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $72, 22.424, 142.553$ , and the grayscale version is  $67, 0.008, 296.813$ .

A 20% lighter version of the original color is  $86, 22.617, 324.487$ , and  $46, 22.510, 324.835$  is the 20% darker color. If you saturate the color by 10%, you get  $62, 34.629, 325.129$ , and if you desaturate by 10%, it is  $71, 10.259, 324.077$ .

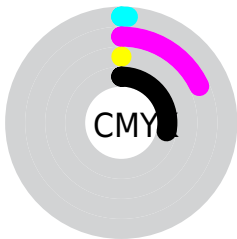
# Distribution



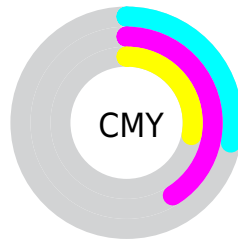
- Red (72%)
- Green (59%)
- Blue (72%)



- Red (72%)
- Yellow (59%)
- Blue (72%)



- Cyan (1%)
- Magenta (18%)
- Yellow (0%)
- Black (28%)




- Cyan (28%)
- Magenta (41%)
- Yellow (28%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 22.466, 324.612 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 66, 22.466, 324.612 by changing the saturation by 10% instead.





 66, 22.466,  
324.612

 66, 22.466,  
324.612


 100, 22.466,  
324.612


 56, 22.466,  
324.612


 86, 22.466,  
324.612

 46, 22.466,  
324.612

 96, 22.466,  
324.612

 36, 22.466,  
324.612

 26, 22.466,  
324.612

 16, 22.466,  
324.612

 6, 22.466, 324.612

 0, 22.466, 324.612

66, 22.466,  
324.612

66, 22.466,  
324.612

62, 34.629,  
325.129

71, 10.259,  
324.077

57, 46.506,  
325.621

76, 1.815, 143.710

53, 57.757,  
326.070

80, 13.648,  
143.089

50, 67.959,  
326.458

85, 25.176,  
142.591

47, 76.639,  
326.764

90, 36.366,  
142.121

45, 83.360,  
326.973

94, 44.059,  
141.750


44, 87.839,  
327.074


94, 43.951,  
141.565

43, 90.245,

94, 43.843,  
141.379

327.076

 94, 43.736,  
141.191

 43, 90.554,  
327.074

# Harmonies

# Complementary

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



66, 22.466, 324.612



72, 22.424, 142.553

# Rectangle

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



66, 22.466, 324.612



66, 22.466, 14.612



66, 22.466, 144.612



66, 22.466, 194.612

# Sweetspot

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



66, 22.464, 324.612



91, 8.988, 323.943



63, 18.377, 290.901



48, 5.960, 323.980



97, 0.011, 296.813



50, 0.007, 296.813





# Same Dimension

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



66, 22.464, 324.612



82, 33.184, 324.816



66, 16.415, 343.420



36, 6.847, 324.124



36, 79.997, 327.089



3, 18.543, 323.494



# Inverse Universe

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



65, 13.530, 18.353



81, 20.258, 18.747



72, 16.098, 160.360



36, 4.003, 17.531



32, 70.755, 38.412

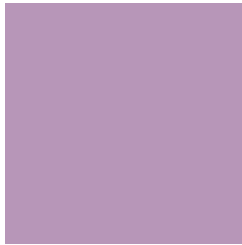


2, 10.648, 17.614



# Previews

## White Background



This preview shows how the CIELCh color 66, 22.466, 324.612 looks on a white background.

## Color Contrast Check

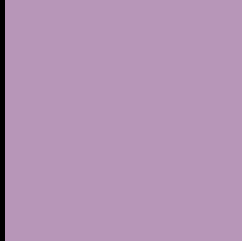
Large Text (above 18pt) WCAG AA × Fail

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 66, 22.466, 324.612 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 66, 22.466, 324.612**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 66, 22.466, 324.612.



This preview shows how white text looks on a background with the CIELCh color 66, 22.466, 324.612.

# 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

66, 22.466, 324.612

### Protanopia

66, 17.237, 286.161

### Deuteranopia

66, 15.480, 305.211





**Tritanopia**  
66, 12.323, 348.068

# Trichromacy



**Original Color**  
66, 22.466, 324.612

**Protanomaly**  
66, 18.111, 302.185

**Deuteranomaly**  
66, 17.463, 313.827

**Tritanomaly**  
66, 15.611, 335.801

# Monochromacy



**Original Color**  
66, 22.466, 324.612

**Achromatopsia**  
67, 0.008, 296.813

**Achromatomaly**  
67, 8.067, 324.791

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 66, 22.466, 324.612 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(183, 150, 184)` looks like.

```
.text, #text, p{  
    color:rgb(183, 150, 184)  
}
```

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(183, 150, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 150, 184) }
```

## Border

The CSS property to change the border of an element to CIELCh 66, 22.466, 324.612 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(183, 150, 184) }
```

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

```
.border{ border-color:rgb(183, 150, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 150, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 150, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 150, 184);  
box-shadow:4px 4px 4px 4px rgb(183, 150,  
184) }
```

# Background

The CSS property to change the background color of an element to CIELCh 66, 22.466, 324.612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 150, 184) }
```

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

```
.background{ background-color: rgb(183,  
150, 184) }
```

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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