

# Converting Colors

CIELCh(57, 31.166, 325.883)

Have a look what the booklet for  
CIELCh(57, 31.166, 325.883)  
contains.

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**Color**

**CIELCh(57, 31.178, 325.902)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A87AA8
RGB	168, 122, 168
RGB Percent	66%, 48%, 66%
CMY	0.3427, 0.5230, 0.3427
CMYK	0.00, 0.27, 0.00, 0.34
HSL	300°, 21%, 57%
HSV	300°, 27%, 66%
XYZ	30.0107, 24.9227, 40.0848
YIQ	140.9980, 12.6500, 24.0580

# Conversions

## Conversions Part 2

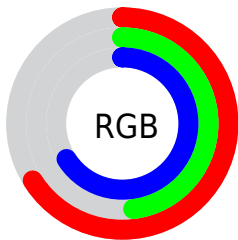
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	168, 122, 168
Decimal	11041448
CIE <sub>Lab</sub>	57.00, 25.82, -17.48
CIE <sub>LCh</sub>	57, 31.178, 325.902
Yxy	24.9227, 0.3158, 0.2623
Android (android.graphics.Color)	4289231528 (0xFFA87AA8)
YUV	140.9980, 13.3120, 23.6808
Hunter-Lab	49.9226, 19.9398, -12.6604

# Details

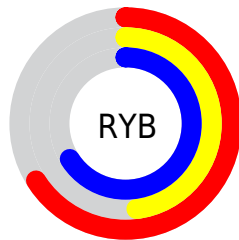
The CIELCh color **57, 31.178, 325.902** is a light color, and the websafe version is hex **996699**. A complement of this color would be **64, 31.171, 142.603**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **77, 31.065, 326.191**, and **37, 30.852, 325.662** is the 20% darker color. If you saturate the color by 10%, you get **53, 42.283, 326.414**, and if you desaturate by 10%, it is **61, 19.807, 325.367**.

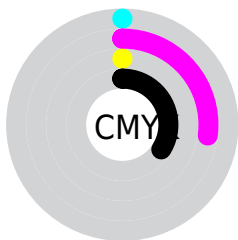
# Distribution



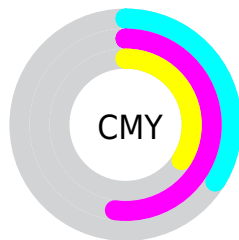
- Red (66%)
- Green (48%)
- Blue (66%)



- Red (66%)
- Yellow (48%)
- Blue (66%)



- Cyan (0%)
- Magenta (27%)
- Yellow (0%)
- Black (34%)




- Cyan (34%)
- Magenta (52%)
- Yellow (34%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 31.178, 325.902 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 57, 31.178, 325.902 by changing the saturation by 10% instead.





 57, 31.178,  
325.902


 57, 31.178,  
325.902


 100, 31.178,  
325.902


 47, 31.178,  
325.902


 77, 31.178,  
325.902

 37, 31.178,  
325.902

 87, 31.178,  
325.902

 27, 31.178,  
325.902

 97, 31.178,  
325.902

 17, 31.178,  
325.902

 7, 31.178, 325.902

 0, 31.178, 325.902

57, 31.178,  
325.902

57, 31.178,  
325.902

53, 42.283,  
326.414

61, 19.807,  
325.367

50, 52.820,  
326.888

65, 8.406, 324.813

47, 62.404,  
327.308

70, 2.870, 144.383

44, 70.609,  
327.659

74, 13.919,  
143.797

42, 77.038,  
327.929

79, 24.680,  
143.284

41, 81.430,  
328.109

84, 35.122,  
142.797


40, 83.879,  
328.209

88, 45.234,  
142.338

40, 84.404,

93, 54.602,  
141.923

328.230

 93, 54.602,  
141.923

# Harmonies

# Complementary

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



57, 31.178, 325.902



64, 31.171, 142.603

# Rectangle

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



57, 31.178, 325.902



57, 31.178, 15.902



57, 31.178, 145.902



57, 31.178, 195.902

# Sweetspot

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



57, 31.176, 325.902



82, 11.159, 324.854



53, 26.203, 292.780



43, 8.001, 324.936



94, 0.011, 296.813



46, 0.006, 296.813





# Same Dimension

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



57, 31.176, 325.902



69, 46.099, 326.221



56, 22.475, 345.180



33, 6.429, 324.918



35, 76.993, 328.230



2, 11.672, 324.436



# Inverse Universe

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



56, 19.287, 21.550



67, 29.250, 22.292



65, 21.794, 160.332



33, 3.724, 19.901



30, 69.024, 39.357

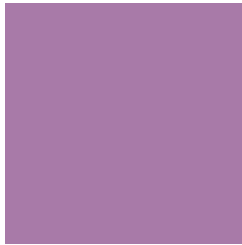


1, 6.572, 19.400



# Previews

## White Background



This preview shows how the CIELCh color 57, 31.178, 325.902 looks on a white background.

## Color Contrast Check

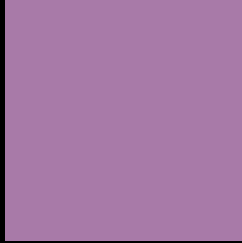
Large Text (above 18pt) WCAG AA ✓ Pass

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 57, 31.178, 325.902 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

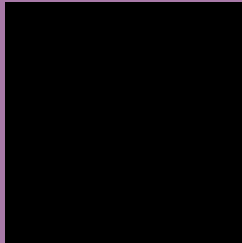
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 57, 31.178, 325.902

## Background



This preview shows how black text looks on a background with the CIELCh color 57, 31.178, 325.902.



This preview shows how white text looks on a background with the CIELCh color 57, 31.178, 325.902.

# 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

57, 31.178, 325.902

### Protanopia

57, 23.517, 284.601

### Deuteranopia

57, 17.743, 294.542





**Tritanopia**  
57, 15.513, 359.757

# Trichromacy



**Original Color**  
57, 31.178, 325.902

**Protanomaly**  
57, 24.908, 301.066

**Deuteranomaly**  
57, 21.583, 309.128

**Tritanomaly**  
57, 20.329, 341.774

# Monochromacy



**Original Color**  
57, 31.178, 325.902

**Achromatopsia**  
59, 0.008, 296.813

**Achromatomaly**  
58, 11.719, 325.025

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 57, 31.178, 325.902 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(168, 122, 168)` looks like.

```
.text, #text, p{  
    color:rgb(168, 122, 168)  
}
```

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(168, 122, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 122, 168) }
```

## Border

The CSS property to change the border of an element to CIELCh 57, 31.178, 325.902 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(168, 122, 168) }
```

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

```
.border{ border-color:rgb(168, 122, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 122, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 122, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 122, 168);  
box-shadow:4px 4px 4px 4px rgb(168, 122,  
168) }
```

# Background

The CSS property to change the background color of an element to CIELCh 57, 31.178, 325.902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 122, 168) }
```

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

```
.background{ background-color: rgb(168,  
122, 168) }
```

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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