

# Converting Colors

CIELCh(57, 28.616, 324.608)

Have a look what the booklet for  
CIELCh(57, 28.616, 324.608)  
contains.

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# Color

**CIELCh(57, 28.846, 324.498)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A47BA6
RGB	164, 123, 166
RGB Percent	64%, 48%, 65%
CMY	0.3557, 0.5165, 0.3479
CMYK	0.01, 0.26, 0.00, 0.35
HSL	297°, 20%, 57%
HSV	297°, 26%, 65%
XYZ	29.3976, 24.9227, 39.4780
YIQ	140.1610, 10.6330, 22.0650

# Conversions

## Conversions Part 2

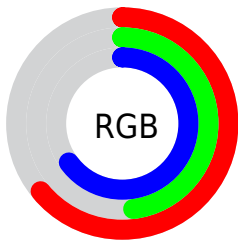
<b>Format</b>	<b>Color</b>
<b>RYB</b>	164, 123, 166
Decimal	10779558
CIELab	57.00, 23.48, -16.75
CIELCh	57, 28.846, 324.498
Yxy	24.9227, 0.3134, 0.2657
Android (android.graphics.Color)	4288969638 (0xFFA47BA6)
YUV	140.1610, 12.7386, 20.9068
Hunter-Lab	49.9226, 17.7477, -11.9398

# Details

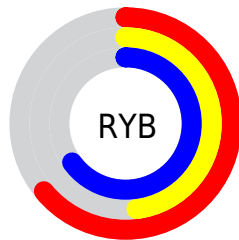
The CIELCh color  $57, 28.846, 324.498$  is a light color, and the websafe version is hex  $996699$ . A complement of this color would be  $64, 28.771, 141.600$ , and the grayscale version is  $58, 0.007, 296.813$ .

A 20% lighter version of the original color is  $77, 28.624, 324.298$ , and  $37, 28.637, 324.787$  is the 20% darker color. If you saturate the color by 10%, you get  $53, 39.857, 324.984$ , and if you desaturate by 10%, it is  $61, 17.655, 323.990$ .

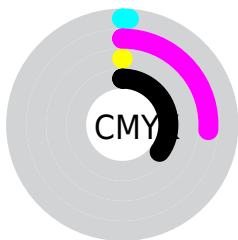
# Distribution



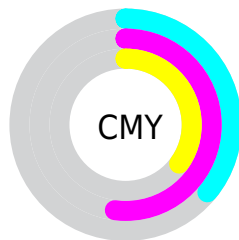
- Red (64%)
- Green (48%)
- Blue (65%)



- Red (64%)
- Yellow (48%)
- Blue (65%)



- Cyan (1%)
- Magenta (26%)
- Yellow (0%)
- Black (35%)



- Cyan (36%)
- Magenta (52%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 28.846, 324.498 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, 28.846, 324.498 by changing the saturation by 10% instead.



 57, 28.846,  
324.498

 57, 28.846,  
324.498

 100, 28.846,  
324.498

 47, 28.846,  
324.498

 77, 28.846,  
324.498

 37, 28.846,  
324.498

 87, 28.846,  
324.498

 27, 28.846,  
324.498

 97, 28.846,  
324.498

 17, 28.846,  
324.498

 7, 28.846, 324.498

 0, 28.846, 324.498

57, 28.846,  
324.498

57, 28.846,  
324.498

53, 39.857,  
324.984

61, 17.655,  
323.990

49, 50.416,  
325.433

66, 6.489, 323.460

46, 60.164,  
325.825

70, 4.521, 143.038

43, 68.678,  
326.139

75, 15.291,  
142.516

41, 75.533,  
326.355

79, 25.775,  
142.041

39, 80.402,  
326.457

84, 35.949,  
141.593

38, 83.213,  
326.443

89, 45.807,  
141.172

38, 84.112,

93, 54.596,  
140.793

326.423

 93, 54.447,  
140.586

# Harmonies

# Complementary

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



57, 28.846, 324.498



64, 28.771, 141.600

# Rectangle

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



57, 28.846, 324.498



57, 28.846, 14.498



57, 28.846, 144.498



57, 28.846, 194.498

# Sweetspot

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



57, 28.844, 324.498



82, 10.999, 323.585



54, 23.599, 291.212



43, 7.887, 323.664



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, 28.844, 324.498



70, 42.840, 324.779



57, 21.489, 343.220



33, 6.337, 323.647



34, 77.173, 326.440



2, 11.434, 322.691



# Inverse Universe

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



56, 17.881, 17.788



69, 27.099, 18.500



65, 20.971, 158.835



33, 3.727, 16.143



30, 67.383, 37.482



1, 6.588, 16.079



# Previews

## White Background



This preview shows how the CIELCh color 57, 28.846, 324.498 looks on a white background.

## Color Contrast Check

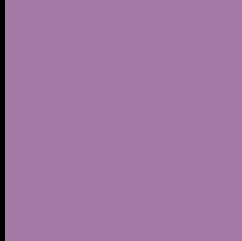
Large Text (above 18pt) WCAG AA ✓ Pass

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, 28.846, 324.498 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

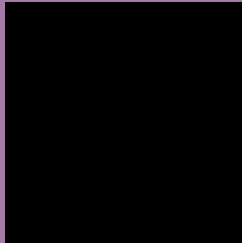
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 57, 28.846, 324.498

## Background



This preview shows how black text looks on a background with the CIELCh color 57, 28.846, 324.498.



This preview shows how white text looks on a background with the CIELCh color 57, 28.846, 324.498.

# 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, 28.846, 324.498

**Protanopia**  
57, 22.359, 284.847

**Deuteranopia**  
57, 17.197, 295.762





**Tritanopia**  
57, 13.991, 357.067

# Trichromacy



**Original Color**  
57, 28.846, 324.498

**Protanomaly**  
57, 23.785, 301.383

**Deuteranomaly**  
57, 21.042, 309.561

**Tritanomaly**  
57, 18.791, 339.812

# Monochromacy



**Original Color**  
57, 28.846, 324.498

**Achromatopsia**  
58, 0.007, 296.813

**Achromatomaly**  
58, 10.830, 323.266

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 57, 28.846, 324.498 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(164, 123, 166)` looks like.

```
.text, #text, p{  
    color:rgb(164, 123, 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(164, 123, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 123, 166) }
```

## Border

The CSS property to change the border of an element to CIELCh 57, 28.846, 324.498 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(164, 123, 166) }
```

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

```
.border{ border-color:rgb(164, 123, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 123, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 123, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 123, 166);  
box-shadow:4px 4px 4px 4px rgb(164, 123,  
166) }
```

# Background

The CSS property to change the background color of an element to CIELCh 57, 28.846, 324.498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 123, 166) }
```

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

```
.background{ background-color: rgb(164,  
123, 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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