

# Converting Colors

CIELCh(58, 30.717, 322.029)

Have a look what the booklet for  
CIELCh(58, 30.717, 322.029)  
contains.

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**Color**

**CIELCh(58, 30.464, 321.548)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A67EAD
RGB	166, 126, 173
RGB Percent	65%, 49%, 68%
CMY	0.3499, 0.5067, 0.3224
CMYK	0.04, 0.27, 0.00, 0.32
HSL	291°, 22%, 59%
HSV	291°, 27%, 68%
XYZ	30.6364, 25.9610, 42.8208
YIQ	143.3180, 8.7530, 23.0970

# Conversions

## Conversions Part 2

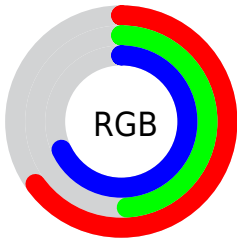
<b>Format</b>	<b>Color</b>
<b>RYB</b>	166, 126, 173
Decimal	10911405
CIELab	58.00, 23.86, -18.94
CIELCh	58, 30.464, 321.548
Yxy	25.9610, 0.3082, 0.2611
Android (android.graphics.Color)	4289101485 (0xFFA67EAD)
YUV	143.3180, 14.6332, 19.8921
Hunter-Lab	50.9519, 18.1626, -14.1618

# Details

The CIELCh color **58, 30.464, 321.548** is a light color, and the websafe version is hex **996699**. A complement of this color would be **67, 30.197, 138.839**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **78, 30.783, 321.590**, and **38, 30.920, 321.057** is the 20% darker color. If you saturate the color by 10%, you get **54, 41.623, 321.985**, and if you desaturate by 10%, it is **63, 19.184, 321.089**.

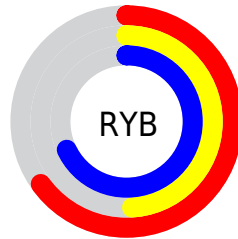
# Distribution



Red (65%)

Green (49%)

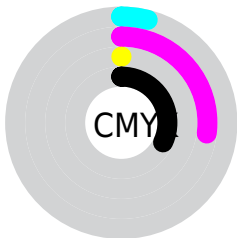
Blue (68%)



Red (65%)

Yellow (49%)

Blue (68%)

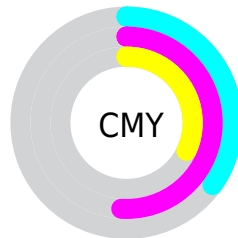


Cyan (4%)

Magenta (27%)

Yellow (0%)

Black (32%)



Cyan (35%)

Magenta (51%)


Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 30.464, 321.548 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 58, 30.464, 321.548 by changing the saturation by 10% instead.




 58, 30.464,  
321.548

 58, 30.464,  
321.548


 100, 30.464,  
321.548

 48, 30.464,  
321.548


 78, 30.464,  
321.548

 38, 30.464,  
321.548

 88, 30.464,  
321.548

 28, 30.464,  
321.548

 98, 30.464,  
321.548

 18, 30.464,  
321.548

 8, 30.464, 321.548

 0, 30.464, 321.548

58, 30.464,  
321.548

58, 30.464,  
321.548

54, 41.623,  
321.985

63, 19.184,  
321.089

50, 52.406,  
322.379

67, 7.969, 320.616

72, 3.066, 140.256

46, 62.451,  
322.703

77, 13.853,  
139.773

43, 71.316,  
322.924

82, 24.354,  
139.356

40, 78.520,  
323.006

87, 34.551,  
138.969

38, 83.655,  
322.917

91, 44.443,  
138.609

37, 86.652,  
322.646

94, 48.810,  
138.012

36, 87.358,

322.561

 94, 48.333,  
137.158

# Harmonies

# Complementary

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



58, 30.464, 321.548



67, 30.197, 138.839

# Rectangle

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



58, 30.464, 321.548



58, 30.464, 11.548



58, 30.464, 141.548



58, 30.464, 191.548

# Sweetspot

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



58, 30.462, 321.548



85, 10.970, 320.662



56, 22.918, 286.809



44, 7.795, 320.733



95, 0.011, 296.813



47, 0.006, 296.813





# Same Dimension

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



58, 30.462, 321.548



71, 45.726, 321.831



58, 24.919, 338.417



34, 6.300, 320.718



31, 78.883, 322.621



2, 12.994, 318.578



# Inverse Universe

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



57, 19.563, 10.026



70, 29.829, 10.936



67, 24.568, 154.185



34, 3.886, 7.968



31, 64.271, 32.129

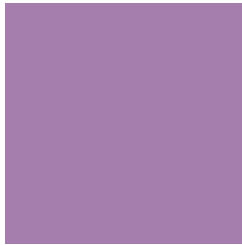


2, 7.941, 9.407



# Previews

## White Background



This preview shows how the CIELCh color 58, 30.464, 321.548 looks on a white background.

## Color Contrast Check

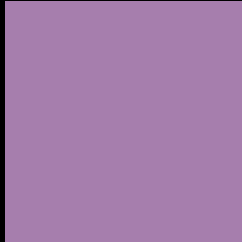
Large Text (above 18pt) WCAG AA ✓ Pass

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 58, 30.464, 321.548 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

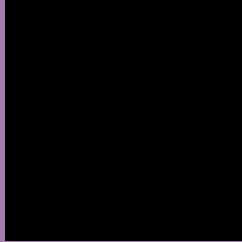
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 58, 30.464, 321.548

## Background



This preview shows how black text looks on a background with the CIELCh color 58, 30.464, 321.548.



This preview shows how white text looks on a background with the CIELCh color 58, 30.464, 321.548.

# 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

58, 30.464, 321.548

### Protanopia

58, 25.132, 285.366

### Deuteranopia

58, 19.359, 293.424





**Tritanopia**  
58, 12.822, 354.647

# Trichromacy



**Original Color**  
58, 30.464, 321.548

**Protanomaly**  
58, 25.846, 299.212

**Deuteranomaly**  
58, 22.951, 306.185

**Tritanomaly**  
58, 18.241, 335.795

# Monochromacy



**Original Color**  
58, 30.464, 321.548

**Achromatopsia**  
59, 0.008, 296.813

**Achromatomaly**  
59, 11.078, 319.979

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 58, 30.464, 321.548 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(166, 126, 173)` looks like.

```
.text, #text, p{  
    color:rgb(166, 126, 173)  
}
```

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(166, 126, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 126, 173) }
```

## Border

The CSS property to change the border of an element to CIELCh 58, 30.464, 321.548 is called "border". The border property can be set on classes, ids or directly on the HTML element.

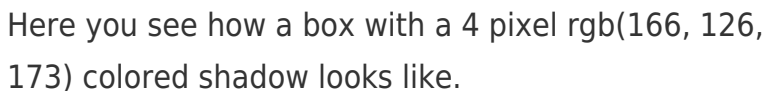
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(166, 126, 173) }
```

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

```
.border{ border-color:rgb(166, 126, 173) }
```

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



Here you see how a box with a 4 pixel `rgb(166, 126, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 126, 173); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 126, 173); box-shadow:4px 4px 4px 4px rgb(166, 126, 173) }
```

# Background

The CSS property to change the background color of an element to CIELCh 58, 30.464, 321.548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 126, 173) }
```

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

```
.background{ background-color: rgb(166,  
126, 173) }
```

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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