

# Converting Colors

CIELCh(48, 27.511, 332.114)

Have a look what the booklet for  
CIELCh(48, 27.511, 332.114)  
contains.

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**Color**

**CIELCh(48, 27.310, 332.465)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	916488
RGB	145, 100, 136
RGB Percent	57%, 39%, 53%
CMY	0.4329, 0.6093, 0.4682
CMYK	0.00, 0.31, 0.06, 0.43
HSL	312°, 18%, 48%
HSV	312°, 31%, 57%
XYZ	20.5463, 16.7945, 25.3086
YIQ	117.5590, 15.2640, 20.7360

# Conversions

## Conversions Part 2

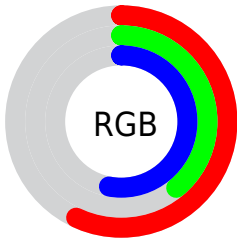
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	145, 100, 136
Decimal	9528456
CIE <sub>Lab</sub>	48.00, 24.22, -12.63
CIE <sub>LCh</sub>	48, 27.310, 332.465
Yxy	16.7945, 0.3280, 0.2681
Android (android.graphics.Color)	4287718536 (0xFF916488)
YUV	117.5590, 9.0914, 24.0658
Hunter-Lab	40.9810, 17.7761, -7.9288

# Details

The CIELCh color  $48, 27.310, 332.465$  is a dark color, and the websafe version is hex  $996699$ . A complement of this color would be  $56, 27.191, 148.224$ , and the grayscale version is  $49, 0.007, 296.813$ .

A 20% lighter version of the original color is  $68, 27.574, 332.986$ , and  $28, 27.470, 332.885$  is the 20% darker color. If you saturate the color by 10%, you get  $45, 35.833, 333.139$ , and if you desaturate by 10%, it is  $52, 18.535, 331.811$ .

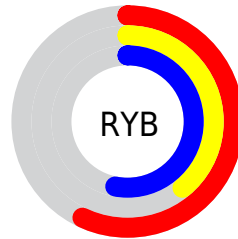
# Distribution



Red (57%)

Green (39%)

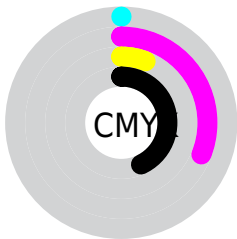
Blue (53%)



Red (57%)

Yellow (39%)

Blue (53%)

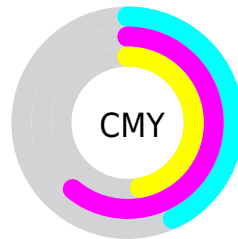


Cyan (0%)

Magenta (31%)

Yellow (6%)

Black (43%)



Cyan (43%)

Magenta (61%)

Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 27.310, 332.465 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 48, 27.310, 332.465 by changing the saturation by 10% instead.



 48, 27.310,  
332.465

 48, 27.310,  
332.465

 100, 27.310,  
332.465

 38, 27.310,  
332.465

 68, 27.310,  
332.465

 28, 27.310,  
332.465

 78, 27.310,  
332.465

 18, 27.310,  
332.465

 88, 27.310,  
332.465

 8, 27.310, 332.465

 98, 27.310,  
332.465

 0, 27.310, 332.465

 48, 27.310,

 48, 27.310,

332.465

45, 35.833,  
333.139

41, 43.843,  
333.834

38, 51.002,  
334.555

36, 56.934,  
335.316

34, 61.288,  
336.135

33, 63.842,  
337.044

32, 65.046,  
337.917

332.465

52, 18.535,  
331.811

56, 9.707, 331.171

60, 0.959, 330.338

64, 7.626, 150.044

68, 15.999,  
149.474

72, 24.135,  
148.942

76, 32.027,  
148.440

80, 39.677,  
147.966

85, 47.093,



# Harmonies

# Complementary

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



48, 27.310, 332.465



56, 27.191, 148.224

# Rectangle

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



48, 27.310, 332.465



48, 27.310, 22.465



48, 27.310, 152.465



48, 27.310, 202.465

# Sweetspot

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



48, 27.308, 332.465



72, 9.768, 331.049



45, 27.154, 299.951



37, 6.771, 331.133



88, 0.010, 296.813



40, 0.006, 296.813





# Same Dimension

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



48, 27.308, 332.465



59, 40.210, 332.913



47, 20.389, 358.137



28, 4.881, 331.047



30, 61.980, 337.844



1, 3.276, 330.522



# Inverse Universe

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



48, 27.308, 332.465



59, 40.210, 332.913



57, 18.746, 171.827



28, 4.881, 331.047



30, 61.980, 337.844

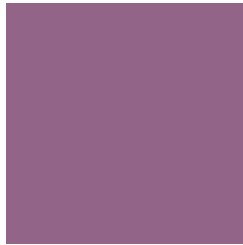


1, 3.276, 330.522



# Previews

## White Background



This preview shows how the CIELCh color 48, 27.310, 332.465 looks on a white background.

## Color Contrast Check

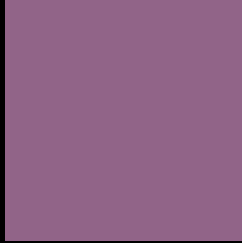
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIE LCh color 48, 27.310, 332.465 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

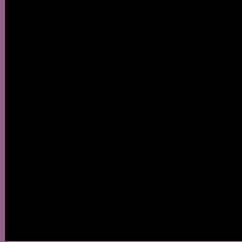
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 48, 27.310, 332.465

## Background



This preview shows how black text looks on a background with the CIELCh color 48, 27.310, 332.465.



This preview shows how white text looks on a background with the CIELCh color 48, 27.310, 332.465.

# 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

48, 27.310, 332.465


### Protanopia

48, 18.957, 285.136

### Deuteranopia

48, 13.171, 300.174





**Tritanopia**  
48, 16.569, 5.237

# Trichromacy



**Original Color**  
48, 27.310, 332.465

**Protanomaly**  
48, 20.666, 305.148

**Deuteranomaly**  
48, 17.617, 316.671

**Tritanomaly**  
48, 19.992, 348.330

# Monochromacy



**Original Color**  
48, 27.310, 332.465

**Achromatopsia**  
49, 0.007, 296.813

**Achromatomaly**  
49, 10.002, 330.820

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 48, 27.310, 332.465 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(145, 100, 136)` looks like.

```
.text, #text, p{  
    color:rgb(145, 100, 136)  
}
```

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(145, 100, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 100, 136) }
```

## Border

The CSS property to change the border of an element to CIELCh 48, 27.310, 332.465 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(145, 100, 136) }
```

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

```
.border{ border-color:rgb(145, 100, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 100, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 100, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 100, 136);  
box-shadow:4px 4px 4px 4px rgb(145, 100,  
136) }
```

# Background

The CSS property to change the background color of an element to CIELCh 48, 27.310, 332.465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 100, 136) }
```

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

```
.background{ background-color: rgb(145,  
100, 136) }
```

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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