

# Converting Colors

CIELCh(67, 17.502, 278.315)

Have a look what the booklet for  
CIELCh(67, 17.502, 278.315)  
contains.

<b>CIELCh(67, 17.502, 278.315)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# Color

**CIELCh(67, 17.502, 278.315)**

# Conversions

## Conversions Part 1

Format	Color
Hex	97A3C2
RGB	151, 163, 194
RGB Percent	59%, 64%, 76%
CMY	0.4081, 0.3611, 0.2395
CMYK	0.22, 0.16, 0.00, 0.24
HSL	223°, 26%, 68%
HSV	223°, 22%, 76%
XYZ	35.5618, 36.6320, 56.1898
YIQ	162.9460, -17.1030, 7.0970

# Conversions

## Conversions Part 2

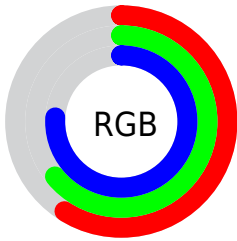
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	151, 160, 194
Decimal	9937858
CIE Lab	67.00, 2.53, -17.32
CIE LCh	67, 17.502, 278.315
Yxy	36.6320, 0.2770, 0.2853
Android (android.graphics.Color)	4288127938 (0xFF97A3C2)
YUV	162.9460, 15.3096, -10.4766
Hunter-Lab	60.5244, -1.0378, -12.6768

# Details

The CIELCh color  $67, 17.502, 278.315$  is a light color, and the websafe version is hex  $9999CC$ . A complement of this color would be  $74, 17.353, 92.502$ , and the grayscale version is  $67, 0.008, 296.813$ .

A 20% lighter version of the original color is  $87, 17.628, 278.540$ , and  $47, 17.555, 278.465$  is the 20% darker color. If you saturate the color by 10%, you get  $62, 25.682, 280.083$ , and if you desaturate by 10%, it is  $72, 9.506, 276.802$ .

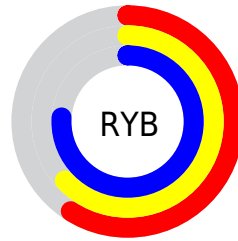
# Distribution



Red (59%)

Green (64%)

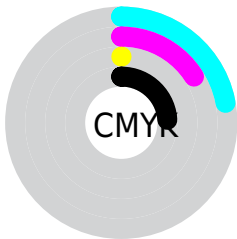
Blue (76%)



Red (59%)

Yellow (63%)

Blue (76%)

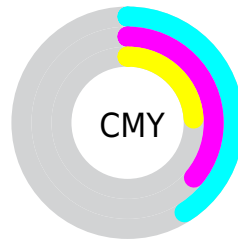


Cyan (22%)

Magenta (16%)

Yellow (0%)

Black (24%)



Cyan (41%)

Magenta (36%)


Yellow (24%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 17.502, 278.315 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 67, 17.502, 278.315 by changing the saturation by 10% instead.





 67, 17.502,  
278.315


 67, 17.502,  
278.315


 100, 17.502,  
278.315


 57, 17.502,  
278.315


 87, 17.502,  
278.315

 47, 17.502,  
278.315

 97, 17.502,  
278.315

 37, 17.502,  
278.315

 27, 17.502,  
278.315

 17, 17.502,  
278.315

 7, 17.502, 278.315

 0, 17.502, 278.315

67, 17.502,  
278.315

67, 17.502,  
278.315

62, 25.682,  
280.083

72, 9.506, 276.802

57, 34.067,  
282.151

77, 1.685, 275.595

82, 5.970, 94.317

52, 42.683,  
284.552

88, 13.463, 93.359

47, 51.559,  
287.299

93, 20.798, 92.512

97, 27.006,  
101.444

42, 60.710,  
290.369

99, 30.761,  
107.838

38, 70.086,  
293.668

34, 79.487,  
297.021

31, 86.613,

299.457

# Harmonies

# Complementary

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



67, 17.502, 278.315



74, 17.353, 92.502

# Rectangle

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



67, 17.502, 278.315



67, 17.502, 328.315



67, 17.502, 98.315



67, 17.502, 148.315

# Sweetspot

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



67, 17.501, 278.312



95, 6.740, 276.133



75, 16.808, 175.038



50, 4.418, 276.211



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



67, 17.501, 278.312



82, 26.557, 279.209



65, 24.269, 300.305



38, 4.413, 276.423



25, 74.287, 298.997



3, 15.755, 282.153



# Inverse Universe

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



67, 17.962, 359.706



82, 27.346, 0.385



77, 23.157, 117.171



38, 4.473, 358.247



33, 62.481, 22.304

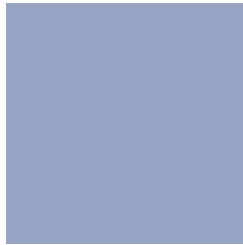


3, 14.537, 4.532



# Previews

## White Background



This preview shows how the CIELCh color 67, 17.502, 278.315 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 CIELCh color 67, 17.502, 278.315 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

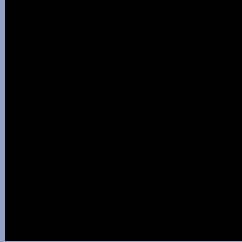
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 67, 17.502, 278.315

## Background



This preview shows how black text looks on a background with the CIELCh color 67, 17.502, 278.315.



This preview shows how white text looks on a background with the CIELCh color 67, 17.502, 278.315.

# 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

67, 17.502, 278.315

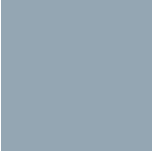
### Protanopia

67, 17.747, 286.385

### Deuteranopia

67, 20.011, 296.203





**Tritanopia**  
67, 9.491, 248.405

# Trichromacy



**Original Color**  
67, 17.502, 278.315

**Protanomaly**  
67, 17.290, 282.725

**Deuteranomaly**  
67, 19.367, 291.133

**Tritanomaly**  
67, 11.766, 262.653

# Monochromacy



**Original Color**  
67, 17.502, 278.315

**Achromatopsia**  
67, 0.008, 296.813

**Achromatomaly**  
67, 6.228, 277.182

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 67, 17.502, 278.315 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(151, 163, 194)` looks like.

```
.text, #text, p{  
    color:rgb(151, 163, 194)  
}
```

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(151, 163, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 163, 194) }
```

## Border

The CSS property to change the border of an element to CIELCh 67, 17.502, 278.315 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(151, 163, 194) }
```

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

```
.border{ border-color:rgb(151, 163, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 163, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 163, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 163, 194);  
box-shadow:4px 4px 4px 4px rgb(151, 163,  
194) }
```

# Background

The CSS property to change the background color of an element to CIELCh 67, 17.502, 278.315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 163, 194) }
```

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

```
.background{ background-color: rgb(151,  
163, 194) }
```

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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