

# Converting Colors

CIELCh(62, 27.759, 299.095)

Have a look what the booklet for  
CIELCh(62, 27.759, 299.095)  
contains.

<b>CIELCh(62, 27.747, 298.749)</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(62, 27.747, 298.749)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9890C1
RGB	152, 144, 193
RGB Percent	60%, 56%, 76%
CMY	0.4045, 0.4359, 0.2438
CMYK	0.21, 0.25, 0.00, 0.24
HSL	250°, 28%, 66%
HSV	250°, 25%, 76%
XYZ	32.4762, 30.4025, 54.5130
YIQ	151.9780, -10.9610, 16.9350

# Conversions

## Conversions Part 2

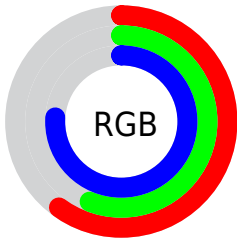
<b>Format</b>	<b>Color</b>
<b>RYB</b>	152, 144, 193
Decimal	9998529
CIELab	62.00, 13.35, -24.33
CIElCh	62, 27.747, 298.749
Yxy	30.4025, 0.2766, 0.2590
Android (android.graphics.Color)	4288188609 (0xFF9890C1)
YUV	151.9780, 20.2238, 0.0193
Hunter-Lab	55.1385, 8.6430, -20.0204

# Details

The CIELCh color  $62, 27.747, 298.749$  is a light color, and the websafe version is hex  $9999CC$ . A complement of this color would be  $76, 26.214, 114.727$ , and the grayscale version is  $63, 0.008, 296.813$ .

A 20% lighter version of the original color is  $82, 27.833, 298.673$ , and  $42, 27.358, 298.419$  is the 20% darker color. If you saturate the color by 10%, you get  $56, 39.428, 299.843$ , and if you desaturate by 10%, it is  $68, 16.500, 297.794$ .

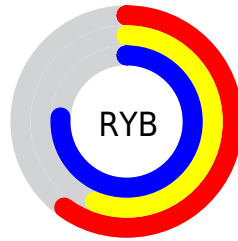
# Distribution



Red (60%)

Green (56%)

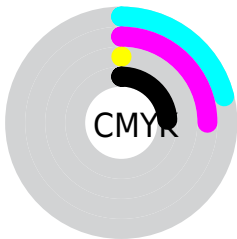
Blue (76%)



Red (60%)

Yellow (56%)

Blue (76%)

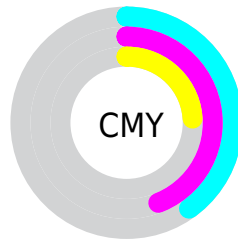


Cyan (21%)

Magenta (25%)

Yellow (0%)

Black (24%)



Cyan (40%)

Magenta (44%)


Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 27.747, 298.749 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 62, 27.747, 298.749 by changing the saturation by 10% instead.





 62, 27.747,  
298.749


 62, 27.747,  
298.749


 100, 27.747,  
298.749


 52, 27.747,  
298.749


 82, 27.747,  
298.749

 42, 27.747,  
298.749

 92, 27.747,  
298.749

 32, 27.747,  
298.749

 22, 27.747,  
298.749

 12, 27.747,  
298.749

 2, 27.747, 298.749

 0, 27.747, 298.749

62, 27.747,  
298.749

62, 27.747,  
298.749

56, 39.428,  
299.843

68, 16.500,  
297.794

49, 51.516,  
301.077

75, 5.683, 296.968

43, 63.898,  
302.430

81, 4.724, 116.257

38, 76.281,  
303.838

87, 14.748,  
115.647

32, 88.040,  
305.175

93, 24.413,  
115.122

28, 98.062,  
306.235

98, 31.412,  
112.181

25, 104.911,  
306.778

99, 31.302,  
107.797

24, 107.297,



# Harmonies

# Complementary

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



62, 27.747, 298.749



76, 26.214, 114.727

# Rectangle

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



62, 27.747, 298.749



62, 27.747, 348.749



62, 27.747, 118.749



62, 27.747, 168.749

# Sweetspot

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



62, 27.746, 298.748



92, 10.433, 297.181



73, 14.678, 214.255



48, 7.434, 297.303



99, 0.012, 296.813



52, 0.007, 296.813





# Same Dimension

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



62, 27.746, 298.748



75, 40.844, 299.285



64, 29.683, 315.209



38, 6.028, 297.281



19, 93.606, 307.038



1, 19.572, 295.539



# Inverse Universe

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



66, 28.964, 330.822



80, 42.170, 331.145



75, 29.015, 132.984



38, 6.455, 329.809



37, 72.116, 335.901

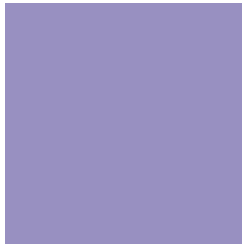


4, 20.755, 332.727



# Previews

## White Background



This preview shows how the CIELCh color 62, 27.747, 298.749 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 CIE LCh color 62, 27.747, 298.749 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

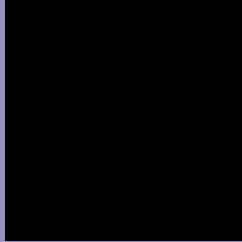
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 62, 27.747, 298.749**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 62, 27.747, 298.749.



This preview shows how white text looks on a background with the CIELCh color 62, 27.747, 298.749.

# 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

62, 27.747, 298.749

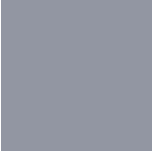
### Protanopia

62, 27.068, 285.398

### Deuteranopia

62, 25.286, 289.091





**Tritanopia**  
62, 6.867, 278.458

# Trichromacy



**Original Color**  
62, 27.747, 298.749

**Protanomaly**  
62, 27.535, 290.371

**Deuteranomaly**  
62, 25.849, 292.954

**Tritanomaly**  
62, 14.044, 291.710

# Monochromacy



**Original Color**  
62, 27.747, 298.749

**Achromatopsia**  
63, 0.008, 296.813

**Achromatomaly**  
62, 10.179, 297.517

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 62, 27.747, 298.749 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(152, 144, 193)` looks like.

```
.text, #text, p{  
    color:rgb(152, 144, 193)  
}
```

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(152, 144, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 144, 193) }
```

## Border

The CSS property to change the border of an element to CIELCh 62, 27.747, 298.749 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(152, 144, 193) }
```

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

```
.border{ border-color:rgb(152, 144, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 144, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 144, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 144, 193);  
box-shadow:4px 4px 4px 4px rgb(152, 144,  
193) }
```

# Background

The CSS property to change the background color of an element to CIELCh 62, 27.747, 298.749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 144, 193) }
```

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

```
.background{ background-color: rgb(152,  
144, 193) }
```

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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