

# Converting Colors

CIELCh(62, 21.341, 305.707)

Have a look what the booklet for  
CIELCh(62, 21.341, 305.707)  
contains.

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# **Color**

**CIELCh(62, 21.477, 305.835)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9E90B5
RGB	158, 144, 181
RGB Percent	62%, 56%, 71%
CMY	0.3817, 0.4366, 0.2916
CMYK	0.13, 0.20, 0.00, 0.29
HSL	263°, 20%, 64%
HSV	263°, 20%, 71%
XYZ	32.2616, 30.4025, 47.6974
YIQ	152.4040, -3.5330, 14.4750

# Conversions

## Conversions Part 2

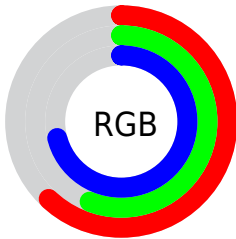
<b>Format</b>	<b>Color</b>
<b>RYB</b>	158, 144, 181
Decimal	10391733
CIELab	62.00, 12.57, -17.41
CIELCh	62, 21.477, 305.835
Yxy	30.4025, 0.2923, 0.2755
Android (android.graphics.Color)	4288581813 (0xFF9E90B5)
YUV	152.4040, 14.0978, 4.9077
Hunter-Lab	55.1385, 7.9481, -12.6917

# Details

The CIELCh color  $62, 21.477, 305.835$  is a light color, and the websafe version is hex  $9999CC$ . A complement of this color would be  $72, 20.737, 123.668$ , and the grayscale version is  $63, 0.008, 296.813$ .

A 20% lighter version of the original color is  $82, 21.417, 305.830$ , and  $42, 21.137, 305.305$  is the 20% darker color. If you saturate the color by 10%, you get  $56, 32.462, 306.481$ , and if you desaturate by 10%, it is  $68, 10.811, 305.246$ .

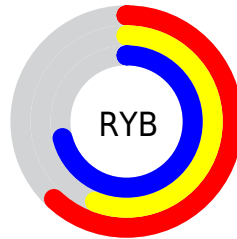
# Distribution



Red (62%)

Green (56%)

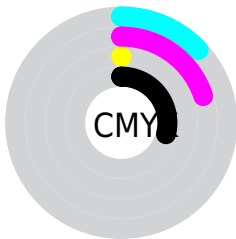
Blue (71%)



Red (62%)

Yellow (56%)

Blue (71%)

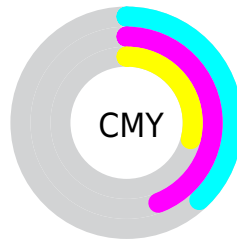


Cyan (13%)

Magenta (20%)

Yellow (0%)

Black (29%)



Cyan (38%)

Magenta (44%)

Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 21.477, 305.835 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, 21.477, 305.835 by changing the saturation by 10% instead.



■ 62, 21.477,  
305.835

■ 62, 21.477,  
305.835

■ 100, 21.477,  
305.835

■ 52, 21.477,  
305.835

■ 82, 21.477,  
305.835

■ 42, 21.477,  
305.835

■ 92, 21.477,  
305.835

■ 32, 21.477,  
305.835

■ 22, 21.477,  
305.835

■ 12, 21.477,  
305.835

■ 2, 21.477, 305.835

■ 0, 21.477, 305.835

62, 21.477,  
305.835

62, 21.477,  
305.835

56, 32.462,  
306.481

68, 10.811,  
305.246

51, 43.712,  
307.180

73, 0.487, 304.587

79, 9.495, 124.281

45, 55.101,  
307.908

85, 19.145,  
123.876

40, 66.383,  
308.622

90, 28.479,  
123.526

35, 77.119,  
309.247

96, 37.513,  
123.223

31, 86.615,  
309.670


97, 38.074,  
118.130

28, 93.956,  
309.743

98, 37.453,  
111.736

25, 98.791,

309.507

 98, 37.325,  
107.332

# Harmonies

# Complementary

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



62, 21.477, 305.835



72, 20.737, 123.668

# Rectangle

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



62, 21.477, 305.835



62, 21.477, 355.835



62, 21.477, 125.835



62, 21.477, 175.835

# Sweetspot

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



62, 21.475, 305.834



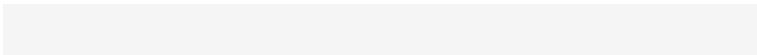
89, 7.609, 305.006



67, 10.967, 242.161



47, 5.047, 305.041



96, 0.011, 296.813



49, 0.007, 296.813





# Same Dimension

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



62, 21.475, 305.834



75, 32.684, 306.147



64, 23.828, 321.709



35, 5.779, 305.182



21, 87.257, 309.643



1, 13.618, 301.504



# Inverse Universe

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



64, 19.041, 339.177



78, 28.811, 339.598



70, 23.680, 139.685



35, 5.174, 338.276



33, 60.458, 350.598

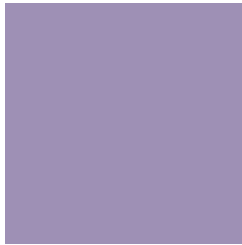


2, 11.480, 343.063



# Previews

## White Background



This preview shows how the CIELCh color 62, 21.477, 305.835 looks on a white background.

## Color Contrast Check

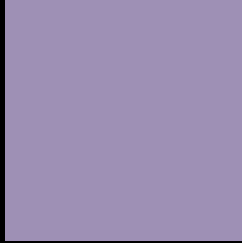
Large Text (above 18pt) WCAG AA × Fail

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 62, 21.477, 305.835 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

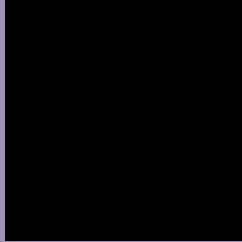
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 62, 21.477, 305.835

## Background



This preview shows how black text looks on a background with the CIELCh color 62, 21.477, 305.835.



This preview shows how white text looks on a background with the CIELCh color 62, 21.477, 305.835.

# 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, 21.477, 305.835

### Protanopia

62, 20.270, 286.515

### Deuteranopia

62, 18.571, 294.364





**Tritanopia**  
62, 6.611, 310.912

# Trichromacy



**Original Color**  
62, 21.477, 305.835

**Protanomaly**  
62, 20.835, 294.350

**Deuteranomaly**  
62, 19.273, 298.578

**Tritanomaly**  
62, 12.318, 307.139

# Monochromacy



**Original Color**  
62, 21.477, 305.835

**Achromatopsia**  
63, 0.008, 296.813

**Achromatomaly**  
62, 7.558, 305.335

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 62, 21.477, 305.835 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(158, 144, 181)` looks like.

```
.text, #text, p{  
    color:rgb(158, 144, 181)  
}
```

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(158, 144, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 144, 181) }
```

## Border

The CSS property to change the border of an element to CIELCh 62, 21.477, 305.835 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(158, 144, 181) }
```

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

```
.border{ border-color:rgb(158, 144, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 144, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 144, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 144, 181);  
box-shadow:4px 4px 4px 4px rgb(158, 144,  
181) }
```

# Background

The CSS property to change the background color of an element to CIELCh 62, 21.477, 305.835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 144, 181) }
```

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

```
.background{ background-color: rgb(158,  
144, 181) }
```

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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