

# Converting Colors

CIELCh(62, 50.222, 301.864)

Have a look what the booklet for  
CIELCh(62, 50.222, 301.864)  
contains.

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**Color**

**CIELCh(62, 50.415, 301.926)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9C89E2
RGB	156, 137, 226
RGB Percent	61%, 54%, 89%
CMY	0.3887, 0.4631, 0.1142
CMYK	0.31, 0.39, 0.00, 0.11
HSL	253°, 60%, 71%
HSV	253°, 39%, 89%
XYZ	36.3306, 30.4025, 75.8206
YIQ	152.8270, -17.2450, 31.7070

# Conversions

## Conversions Part 2

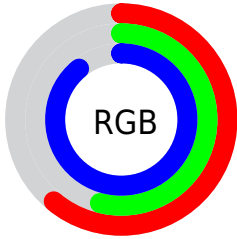
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	156, 137, 226
Decimal	10258914
CIE <sub>Lab</sub>	62.00, 26.66, -42.79
CIE <sub>LCh</sub>	62, 50.415, 301.926
Yxy	30.4025, 0.2549, 0.2133
Android (android.graphics.Color)	4288448994 (0xFF9C89E2)
YUV	152.8270, 36.0743, 2.7827
Hunter-Lab	55.1385, 21.1208, -42.9324

# Details

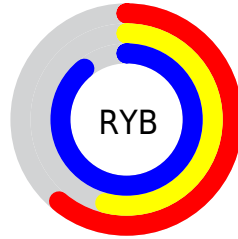
The CIELCh color  $62, 50.415, 301.926$  is a light color, and the websafe version is hex  $9999FF$ . A complement of this color would be  $87, 45.988, 115.882$ , and the grayscale version is  $63, 0.008, 296.813$ .

A 20% lighter version of the original color is  $81, 34.903, 304.443$ , and  $42, 50.267, 301.964$  is the 20% darker color. If you saturate the color by 10%, you get  $55, 64.274, 303.073$ , and if you desaturate by 10%, it is  $69, 36.930, 300.887$ .

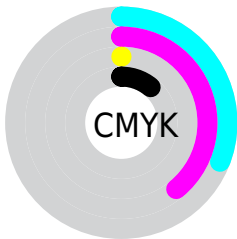
# Distribution



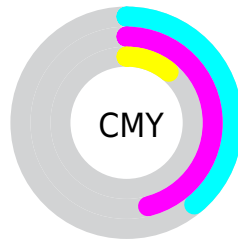
- Red (61%)
- Green (54%)
- Blue (89%)



- Red (61%)
- Yellow (54%)
- Blue (89%)



- Cyan (31%)
- Magenta (39%)
- Yellow (0%)
- Black (11%)




- Cyan (39%)
- Magenta (46%)
- Yellow (11%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 50.415, 301.926 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, 50.415, 301.926 by changing the saturation by 10% instead.





 62, 50.415,  
301.926


 62, 50.415,  
301.926


 100, 50.415,  
301.926


 52, 50.415,  
301.926


 82, 50.415,  
301.926


 42, 50.415,  
301.926


 92, 50.415,  
301.926

 32, 50.415,  
301.926

 22, 50.415,  
301.926

 12, 50.415,  
301.926

 2, 50.415, 301.926

 0, 50.415, 301.926

62, 50.415,  
301.926

62, 50.415,  
301.926

55, 64.274,  
303.073

69, 36.930,  
300.887

48, 78.286,  
304.288

76, 23.908,  
299.968

42, 91.954,  
305.484

83, 11.366,  
299.165

37, 104.339,  
306.509

90, 0.707, 118.497

33, 114.008,  
307.146

97, 12.334,  
117.875

30, 119.903,  
307.276

99, 14.732,  
109.064

30, 120.213,  
307.285

# Harmonies

# Complementary

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



62, 50.415, 301.926



87, 45.988, 115.882

# Rectangle

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



62, 50.415, 301.926



62, 50.415, 351.926



62, 50.415, 121.926



62, 50.415, 171.926

# Sweetspot

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



62, 50.414, 301.926



91, 16.098, 299.369



80, 23.799, 221.691



47, 10.704, 299.473



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



62, 50.414, 301.926



63, 67.259, 302.827



66, 53.206, 317.420



43, 6.834, 299.168



22, 99.573, 307.401



3, 32.044, 300.966





# Inverse Universe

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



68, 48.961, 333.634



72, 63.686, 334.217



84, 51.670, 133.769



44, 7.029, 331.569



40, 74.220, 338.940



7, 31.096, 336.844



# Previews

## White Background



This preview shows how the CIELCh color 62, 50.415, 301.926 looks on a white background.

## Color Contrast Check

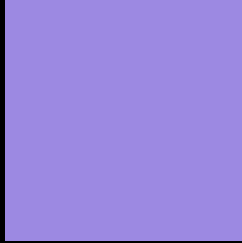
Large Text (above 18pt) WCAG AA × Fail

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, 50.415, 301.926 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

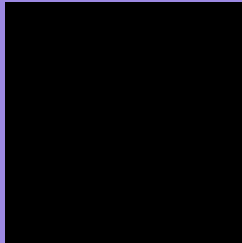
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 62, 50.415, 301.926

## Background



This preview shows how black text looks on a background with the CIELCh color 62, 50.415, 301.926.



This preview shows how white text looks on a background with the CIELCh color 62, 50.415, 301.926.

# 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, 50.415, 301.926

**Protanopia**  
62, 49.567, 285.779

**Deuteranopia**  
62, 42.024, 281.960



**Tritanopia**  
62, 7.162, 269.797



# Trichromacy



**Original Color**  
62, 50.415, 301.926

**Protanomaly**  
62, 49.908, 291.439

**Deuteranomaly**  
62, 44.343, 289.494

**Tritanomaly**  
62, 22.558, 295.256

# Monochromacy



**Original Color**  
62, 50.415, 301.926

**Achromatopsia**  
63, 0.008, 296.813

**Achromatomaly**  
63, 18.740, 299.807

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 62, 50.415, 301.926 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(156, 137, 226)` looks like.

```
.text, #text, p{  
    color:rgb(156, 137, 226)  
}
```

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(156, 137, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 137, 226) }
```

## Border

The CSS property to change the border of an element to CIELCh 62, 50.415, 301.926 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(156, 137, 226) }
```

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

```
.border{ border-color:rgb(156, 137, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 137, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 137, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 137, 226); box-shadow:4px 4px 4px 4px rgb(156, 137, 226) }
```

# Background

The CSS property to change the background color of an element to CIELCh 62, 50.415, 301.926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 137, 226) }
```

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

```
.background{ background-color: rgb(156,  
137, 226) }
```

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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