

# Converting Colors

CIELCh(61, 23.461, 211.530)

Have a look what the booklet for  
CIELCh(61, 23.461, 211.530)  
contains.

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# Color

**CIELCh(61, 23.461, 211.530)**

# Conversions

## Conversions Part 1

Format	Color
Hex	559EA8
RGB	85, 158, 168
RGB Percent	33%, 62%, 66%
CMY	0.6663, 0.3801, 0.3408
CMYK	0.49, 0.06, 0.00, 0.34
HSL	187°, 33%, 50%
HSV	187°, 49%, 66%
XYZ	23.0712, 29.2481, 41.5165
YIQ	137.3130, -46.7180, -12.3660

# Conversions

## Conversions Part 2

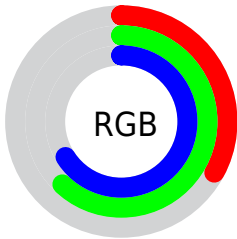
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	85, 124, 168
Decimal	5611176
CIE Lab	61.00, -20.00, -12.27
CIE LCh	61, 23.461, 211.530
Yxy	29.2481, 0.2459, 0.3117
Android (android.graphics.Color)	4283801256 (0xFF559EA8)
YUV	137.3130, 15.1287, -45.8785
Hunter-Lab	54.0815, -18.4944, -7.6577

# Details

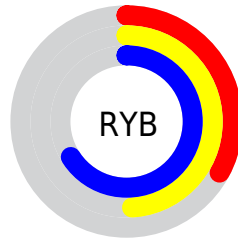
The CIELCh color **61, 23.461, 211.530** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **49, 34.130, 33.213**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **81, 23.544, 211.018**, and **41, 23.387, 212.161** is the 20% darker color. If you saturate the color by 10%, you get **60, 26.609, 212.216**, and if you desaturate by 10%, it is **62, 19.663, 211.067**.

# Distribution



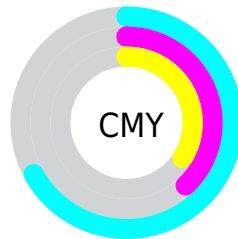
- Red (33%)
- Green (62%)
- Blue (66%)



- Red (33%)
- Yellow (49%)
- Blue (66%)



- Cyan (49%)
- Magenta (6%)
- Yellow (0%)
- Black (34%)




- Cyan (67%)
- Magenta (38%)
- Yellow (34%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 23.461, 211.530 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 61, 23.461, 211.530 by changing the saturation by 10% instead.





 61, 23.461,  
211.530


 61, 23.461,  
211.530


 100, 23.461,  
211.530


 51, 23.461,  
211.530


 81, 23.461,  
211.530

 41, 23.461,  
211.530

 91, 23.461,  
211.530

 31, 23.461,  
211.530

 21, 23.461,  
211.530

 11, 23.461,  
211.530

 1, 23.461, 211.530

 0, 23.461, 211.530

61, 23.461,  
211.530

61, 23.461,  
211.530

60, 26.609,  
212.216

62, 19.663,  
211.067

59, 29.051,  
213.177

64, 15.295,  
210.795

58, 30.760,  
214.458

65, 10.445,  
210.680

57, 31.762,  
216.106

67, 5.201, 210.717

56, 32.224,  
218.088

69, 0.354, 29.329

56, 32.251,  
218.213

71, 6.146, 30.786

73, 12.114, 31.038

75, 18.204, 31.307

77, 24.375, 31.598



# Harmonies

# Complementary

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



61, 23.461, 211.530



49, 34.130, 33.213

# Rectangle

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



61, 23.461, 211.530



61, 23.461, 261.530



61, 23.461, 31.530



61, 23.461, 81.530

# Sweetspot

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



61, 23.461, 211.528



84, 10.165, 210.675



62, 51.032, 143.653



44, 6.883, 210.674



94, 0.011, 296.813



46, 0.006, 296.813





# Same Dimension

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



61, 23.461, 211.528



76, 32.683, 212.274



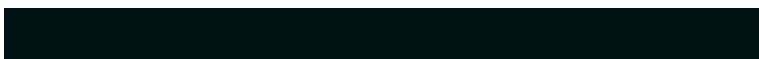
49, 31.074, 275.937



35, 3.143, 210.718



50, 29.378, 217.954



4, 5.698, 215.277



# Inverse Universe

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



49, 50.650, 330.797



59, 72.984, 331.415



59, 32.368, 80.399



33, 5.918, 328.409



34, 70.170, 333.586

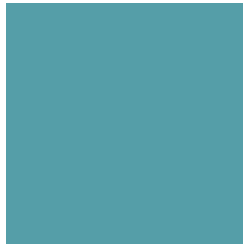


2, 10.423, 329.262



# Previews

## White Background



This preview shows how the CIELCh color 61, 23.461, 211.530 looks on a white 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

# Black Background



This preview shows how the CIELCh color 61, 23.461, 211.530 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

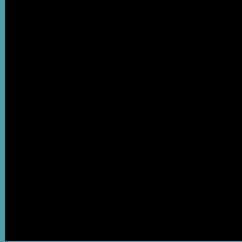
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**CIELCh 61, 23.461, 211.530**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 61, 23.461, 211.530.

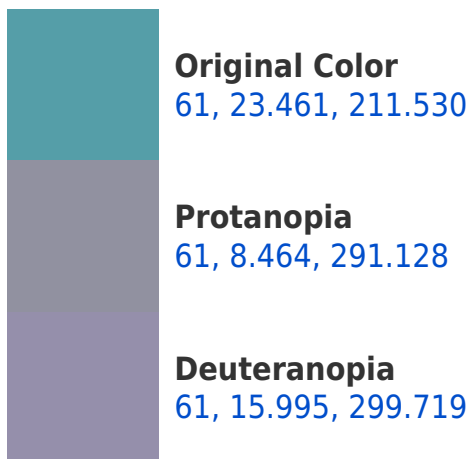


This preview shows how white text looks on a background with the CIELCh color 61, 23.461, 211.530.

# 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







**Tritanopia**  
61, 23.322, 214.567

# Trichromacy



**Original Color**  
61, 23.461, 211.530

**Protanomaly**  
60, 11.848, 237.155

**Deuteranomaly**  
60, 14.358, 259.265

**Tritanomaly**  
61, 23.268, 213.132

# Monochromacy



**Original Color**  
61, 23.461, 211.530

**Achromatopsia**  
57, 0.007, 296.813

**Achromatomaly**  
58, 9.993, 208.399

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 61, 23.461, 211.530 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(85, 158, 168)` looks like.

```
.text, #text, p{  
    color:rgb(85, 158, 168)  
}
```

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(85, 158, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 158, 168) }
```

## Border

The CSS property to change the border of an element to CIELCh 61, 23.461, 211.530 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(85, 158, 168) }
```

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

```
.border{ border-color:rgb(85, 158, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 158, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 158, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 158, 168);  
box-shadow:4px 4px 4px 4px rgb(85, 158,  
168) }
```

# Background

The CSS property to change the background color of an element to CIELCh 61, 23.461, 211.530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 158, 168) }
```

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

```
.background{ background-color: rgb(85, 158,  
168) }
```

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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