

# Converting Colors

CIELCh(62, 24.853, 259.287)

Have a look what the booklet for  
CIELCh(62, 24.853, 259.287)  
contains.

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# Color

**CIELCh(62, 25.117, 260.066)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6F9AC1
RGB	111, 154, 193
RGB Percent	44%, 60%, 76%
CMY	0.5641, 0.3955, 0.2426
CMYK	0.42, 0.20, 0.00, 0.24
HSL	209°, 40%, 60%
HSV	209°, 42%, 76%
XYZ	27.7938, 30.4025, 54.9400
YIQ	145.5890, -38.1470, 3.0130

# Conversions

## Conversions Part 2

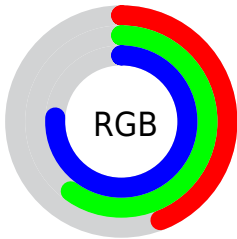
Format	Color
R <sub>Y</sub> B	111, 139, 193
Decimal	7314113
CIE Lab	62.00, -4.33, -24.74
CIE LCh	62, 25.117, 260.066
Yxy	30.4025, 0.2457, 0.2687
Android (android.graphics.Color)	4285504193 (0xFF6F9AC1)
YUV	145.5890, 23.3736, -30.3346
Hunter-Lab	55.1385, -6.5155, -20.4797

# Details

The CIELCh color `62, 25.117, 260.066` is a light color, and the websafe version is hex `6699CC`. A complement of this color would be `65, 28.903, 67.662`, and the grayscale version is `60, 0.008, 296.813`.

A 20% lighter version of the original color is `82, 25.351, 260.942`, and `42, 25.028, 259.762` is the 20% darker color. If you saturate the color by 10%, you get `58, 30.662, 262.740`, and if you desaturate by 10%, it is `66, 19.409, 257.823`.

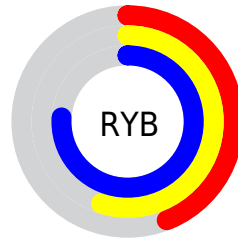
# Distribution



Red (44%)

Green (60%)

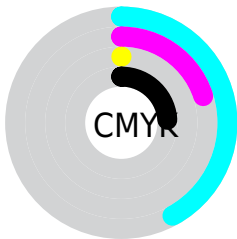
Blue (76%)



Red (44%)

Yellow (55%)

Blue (76%)

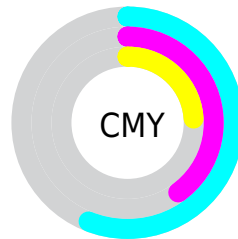


Cyan (42%)

Magenta (20%)

Yellow (0%)

Black (24%)



Cyan (56%)

Magenta (40%)


Yellow (24%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 25.117, 260.066 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, 25.117, 260.066 by changing the saturation by 10% instead.





 62, 25.117,  
260.066


 62, 25.117,  
260.066


 100, 25.117,  
260.066


 52, 25.117,  
260.066


 82, 25.117,  
260.066


 42, 25.117,  
260.066


 92, 25.117,  
260.066

 32, 25.117,  
260.066

 22, 25.117,  
260.066

 12, 25.117,  
260.066

 2, 25.117, 260.066

 0, 25.117, 260.066

62, 25.117,  
260.066

62, 25.117,  
260.066

58, 30.662,  
262.740

66, 19.409,  
257.823

55, 36.053,  
265.903

69, 13.554,  
255.952

51, 41.325,  
269.580

73, 7.578, 254.399

48, 46.553,  
273.745

77, 1.508, 253.276

81, 4.627, 71.825

45, 51.840,  
278.288

85, 10.801, 70.918

43, 55.955,  
281.729

89, 16.991, 70.113

92, 20.715, 78.225

94, 23.427, 91.094

# Harmonies

# Complementary

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



62, 25.117, 260.066



65, 28.903, 67.662

# Rectangle

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



62, 25.117, 260.066



62, 25.117, 310.066



62, 25.117, 80.066



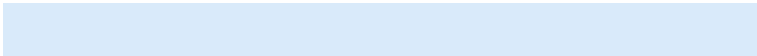
62, 25.117, 130.066

# Sweetspot

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



62, 25.116, 260.065



92, 9.744, 254.505



72, 37.798, 157.743



48, 6.806, 254.830



99, 0.012, 296.813



52, 0.007, 296.813

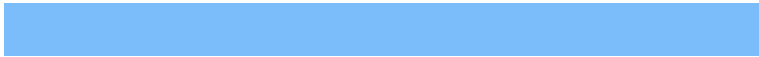


# Same Dimension

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



62, 25.116, 260.065



75, 36.778, 262.549



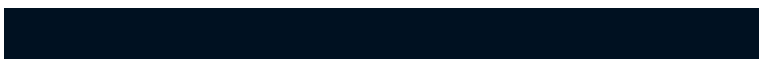
51, 46.150, 294.717



39, 3.466, 253.983



36, 48.180, 281.036



5, 12.490, 267.270





# Inverse Universe

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



57, 39.152, 346.492



68, 57.290, 347.758



76, 41.593, 104.631



38, 5.176, 343.077



34, 60.351, 359.241



3, 16.053, 350.869



# Previews

## White Background



This preview shows how the CIELCh color 62, 25.117, 260.066 looks on a white background.

## Color Contrast Check

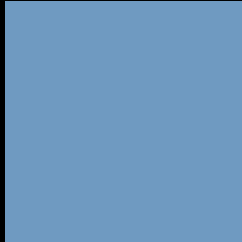
Large Text (above 18pt) WCAG AA × Fail

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, 25.117, 260.066 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

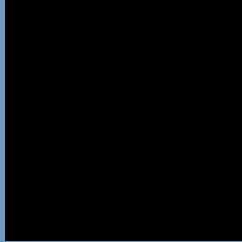
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

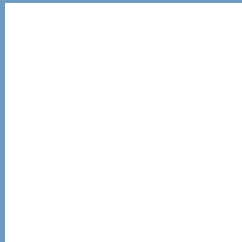
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 62, 25.117, 260.066

## Background



This preview shows how black text looks on a background with the CIELCh color 62, 25.117, 260.066.



This preview shows how white text looks on a background with the CIELCh color 62, 25.117, 260.066.

# 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, 25.117, 260.066

### Protanopia

62, 23.135, 285.126

### Deuteranopia

62, 27.013, 287.459



**Tritanopia**  
62, 18.738, 221.125



# Trichromacy



**Original Color**  
62, 25.117, 260.066

**Protanomaly**  
62, 23.774, 275.784

**Deuteranomaly**  
62, 25.363, 277.199

**Tritanomaly**  
62, 19.939, 236.847

# Monochromacy



**Original Color**  
62, 25.117, 260.066

**Achromatopsia**  
61, 0.008, 296.813

**Achromatomaly**  
61, 9.641, 254.214

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 62, 25.117, 260.066 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(111, 154, 193)` looks like.

```
.text, #text, p{  
    color:rgb(111, 154, 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(111, 154, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 154, 193) }
```

## Border

The CSS property to change the border of an element to CIELCh 62, 25.117, 260.066 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(111, 154, 193) }
```

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

```
.border{ border-color:rgb(111, 154, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 154, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 154, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 154, 193);  
box-shadow:4px 4px 4px 4px rgb(111, 154,  
193) }
```

# Background

The CSS property to change the background color of an element to CIELCh 62, 25.117, 260.066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 154, 193) }
```

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

```
.background{ background-color: rgb(111,  
154, 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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