

# Converting Colors

CIELCh(63, 25.492, 263.235)

Have a look what the booklet for  
CIELCh(63, 25.492, 263.235)  
contains.

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# Color

**CIELCh(63, 25.604, 263.223)**

# Conversions

## Conversions Part 1

Format	Color
Hex	749CC5
RGB	116, 156, 197
RGB Percent	45%, 61%, 77%
CMY	0.5445, 0.3877, 0.2268
CMYK	0.41, 0.21, 0.00, 0.23
HSL	210°, 41%, 61%
HSV	210°, 41%, 77%
XYZ	29.2303, 31.5869, 57.4714
YIQ	148.7140, -37.0010, 4.2710

# Conversions

## Conversions Part 2

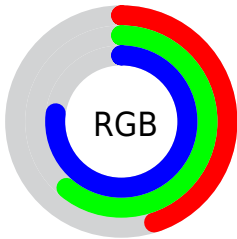
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	116, 143, 197
Decimal	7642309
CIE <sub>Lab</sub>	63.00, -3.02, -25.43
CIE <sub>LCh</sub>	63, 25.604, 263.223
Yxy	31.5869, 0.2471, 0.2670
Android (android.graphics.Color)	4285832389 (0xFF749CC5)
YUV	148.7140, 23.8050, -28.6902
Hunter-Lab	56.2022, -5.5175, -21.2874

# Details

The CIELCh color `63, 25.604, 263.223` is a light color, and the websafe version is hex `6699CC`. A complement of this color would be `68, 28.647, 70.946`, and the grayscale version is `62, 0.008, 296.813`.

A 20% lighter version of the original color is `83, 25.809, 264.002`, and `43, 25.500, 263.312` is the 20% darker color. If you saturate the color by 10%, you get `59, 31.589, 265.850`, and if you desaturate by 10%, it is `67, 19.507, 261.008`.

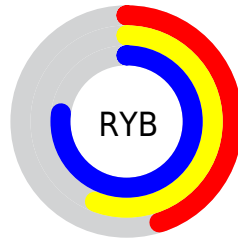
# Distribution



Red (45%)

Green (61%)

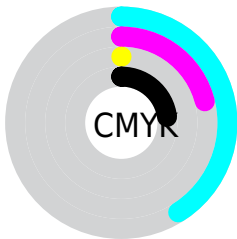
Blue (77%)



Red (45%)

Yellow (56%)

Blue (77%)

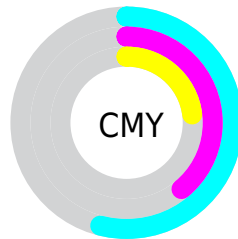


Cyan (41%)

Magenta (21%)

Yellow (0%)

Black (23%)



Cyan (54%)

Magenta (39%)


Yellow (23%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 25.604, 263.223 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 63, 25.604, 263.223 by changing the saturation by 10% instead.





 63, 25.604,  
263.223


 63, 25.604,  
263.223


 100, 25.604,  
263.223


 53, 25.604,  
263.223


 83, 25.604,  
263.223

 43, 25.604,  
263.223

 93, 25.604,  
263.223

 33, 25.604,  
263.223

 23, 25.604,  
263.223

 13, 25.604,  
263.223

 3, 25.604, 263.223

 0, 25.604, 263.223

63, 25.604,  
263.223

63, 25.604,  
263.223

59, 31.589,  
265.850

67, 19.507,  
261.008

55, 37.476,  
268.942

71, 13.310,  
259.150

52, 43.300,  
272.521

75, 7.033, 257.601

48, 49.132,  
276.560

79, 0.698, 256.734

83, 5.670, 75.024

45, 55.064,  
280.949

87, 12.051, 74.087

42, 60.521,  
284.893

91, 18.425, 73.260

94, 21.190, 88.585

96, 25.029,  
100.366



# Harmonies

# Complementary

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



63, 25.604, 263.223



68, 28.647, 70.946

# Rectangle

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



63, 25.604, 263.223



63, 25.604, 313.223



63, 25.604, 83.223



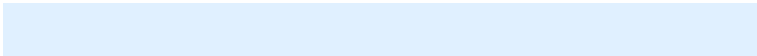
63, 25.604, 133.223

# Sweetspot

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



63, 25.603, 263.222



94, 9.375, 257.756



74, 36.251, 159.585



49, 6.215, 257.949



0, 0.000, 0.000



53, 0.007, 296.813



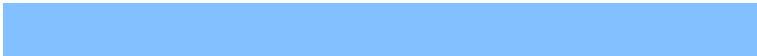


# Same Dimension

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



63, 25.603, 263.222



76, 37.376, 265.473



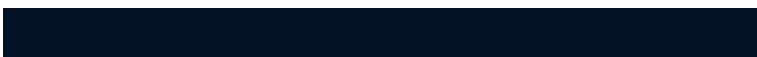
52, 46.983, 295.714



40, 3.626, 257.368



35, 51.880, 284.222



5, 14.120, 270.840



# Inverse Universe

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



59, 37.906, 348.119



70, 55.242, 349.334



78, 42.234, 106.256



39, 5.180, 344.725



35, 60.675, 2.147



4, 17.797, 353.362



# Previews

## White Background



This preview shows how the CIELCh color 63, 25.604, 263.223 looks on a white background.

## Color Contrast Check

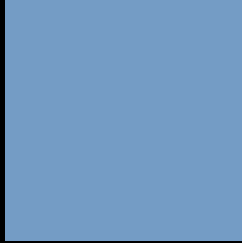
Large Text (above 18pt) WCAG AA × Fail

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 63, 25.604, 263.223 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

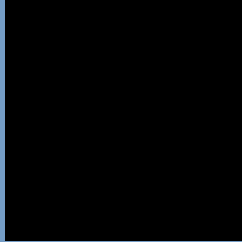
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

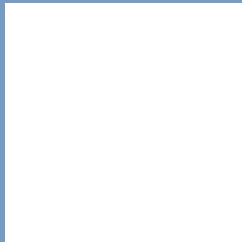
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 63, 25.604, 263.223

## Background



This preview shows how black text looks on a background with the CIELCh color 63, 25.604, 263.223.

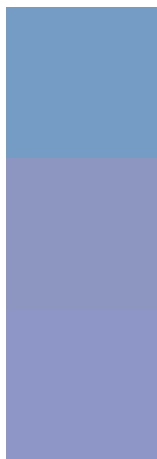


This preview shows how white text looks on a background with the CIELCh color 63, 25.604, 263.223.

# 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

63, 25.604, 263.223

### Protanopia

63, 24.183, 285.589

### Deuteranopia

63, 28.035, 288.439





**Tritanopia**  
63, 17.941, 222.219

# Trichromacy



**Original Color**  
63, 25.604, 263.223

**Protanomaly**  
63, 24.706, 277.383

**Deuteranomaly**  
63, 26.241, 279.308

**Tritanomaly**  
63, 19.568, 239.828

# Monochromacy



**Original Color**  
63, 25.604, 263.223

**Achromatopsia**  
62, 0.008, 296.813

**Achromatomaly**  
62, 9.868, 257.919

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 63, 25.604, 263.223 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(116, 156, 197)` looks like.

```
.text, #text, p{  
    color:rgb(116, 156, 197)  
}
```

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(116, 156, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 156, 197) }
```

## Border

The CSS property to change the border of an element to CIELCh 63, 25.604, 263.223 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(116, 156, 197) }
```

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

```
.border{ border-color:rgb(116, 156, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 156, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 156, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 156, 197);  
box-shadow:4px 4px 4px 4px rgb(116, 156,  
197) }
```

# Background

The CSS property to change the background color of an element to CIELCh 63, 25.604, 263.223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 156, 197) }
```

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

```
.background{ background-color: rgb(116,  
156, 197) }
```

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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