

# Converting Colors

CIELCh(63, 40.941, 268.131)

Have a look what the booklet for  
CIELCh(63, 40.941, 268.131)  
contains.

|  |    |
|--|----|
| <b>CIELCh(63, 40.927, 268.208)</b> .....       | 3  |
| <b><i>Conversions</i></b> .....                | 4  |
| <b><i>Details</i></b> .....                    | 6  |
| <b><i>Harmonies</i></b> .....                  | 12 |
| <b><i>Previews</i></b> .....                   | 21 |
| <b><i>Color Blindness Simulation</i></b> ..... | 24 |
| <b><i>CSS Examples</i></b> .....               | 27 |

# Color

**CIELCh(63, 40.927, 268.208)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | 599DE1                     |
| RGB           | 89, 157, 225               |
| RGB Percent   | 35%, 62%, 88%              |
| CMY           | 0.6518, 0.3851, 0.1185     |
| CMYK          | 0.61, 0.30, 0.00, 0.12     |
| HSL           | 210°, 69%, 61%             |
| HSV           | 210°, 61%, 88%             |
| XYZ           | 29.6852, 31.5869, 75.6185  |
| YIQ           | 144.4200, -62.3560, 6.7320 |

# Conversions

## Conversions Part 2

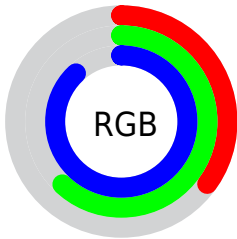
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| R <sub>Y</sub> B                    | 89, 134, 225                   |
| Decimal                             | 5873121                        |
| CIE Lab                             | 63.00, -1.28, -40.91           |
| CIE LCh                             | 63, 40.927, 268.208            |
| Yxy                                 | 31.5869, 0.2169,<br>0.2307     |
| Android<br>(android.graphics.Color) | 4284063201<br>(0xFF599DE1)     |
| YUV                                 | 144.4200, 39.7259,<br>-48.6033 |
| Hunter-Lab                          | 56.2022, -4.0729,<br>-40.4314  |

# Details

The CIELCh color **63, 40.927, 268.208** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **70, 48.817, 67.736**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 29.053, 252.507**, and **43, 40.800, 268.104** is the 20% darker color. If you saturate the color by 10%, you get **59, 47.299, 271.825**, and if you desaturate by 10%, it is **67, 34.468, 265.094**.

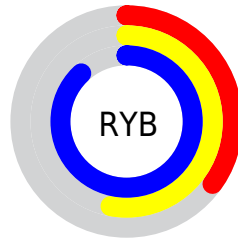
# Distribution



Red (35%)

Green (62%)

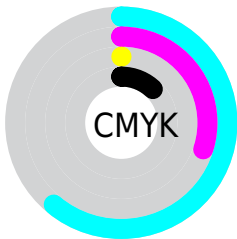
Blue (88%)



Red (35%)

Yellow (53%)

Blue (88%)

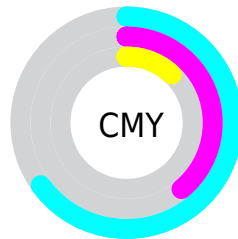


Cyan (61%)

Magenta (30%)

Yellow (0%)

Black (12%)



Cyan (65%)

Magenta (39%)


Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 40.927, 268.208 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, 40.927, 268.208 by changing the saturation by 10% instead.





 63, 40.927,  
268.208


 63, 40.927,  
268.208


 100, 40.927,  
268.208


 53, 40.927,  
268.208


 83, 40.927,  
268.208

 43, 40.927,  
268.208

 93, 40.927,  
268.208

 33, 40.927,  
268.208

 23, 40.927,  
268.208

 13, 40.927,  
268.208

 3, 40.927, 268.208

 0, 40.927, 268.208

63, 40.927,  
268.208

63, 40.927,  
268.208

59, 47.299,  
271.825

67, 34.468,  
265.094

55, 53.667,  
275.916

71, 27.883,  
262.453

52, 60.135,  
280.372

76, 21.162,  
260.235

48, 66.475,  
284.673

80, 14.319,  
258.378

85, 7.377, 256.837

89, 0.364, 256.563

94, 6.692, 74.275

97, 11.540, 94.062

99, 15.282,



# Harmonies

# Complementary

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



63, 40.927, 268.208



70, 48.817, 67.736

# Rectangle

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



63, 40.927, 268.208



63, 40.927, 318.208



63, 40.927, 88.208



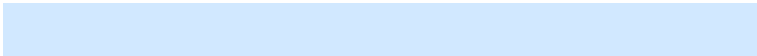
63, 40.927, 138.208

# Sweetspot

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



63, 40.926, 268.209



91, 13.942, 257.984



81, 57.933, 155.922



47, 9.671, 258.472



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, 40.926, 268.209



65, 54.129, 273.008



46, 78.605, 299.224



45, 3.984, 256.692



38, 54.463, 283.880



8, 18.968, 274.636



# Inverse Universe

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



58, 60.257, 350.802



60, 76.256, 353.595



87, 65.782, 103.774



44, 5.747, 344.387



38, 64.178, 1.816

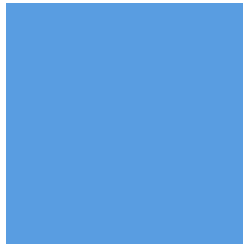


6, 26.432, 354.721



# Previews

## White Background



This preview shows how the CIE LCh color 63, 40.927, 268.208 looks on a white background.

## Color Contrast Check

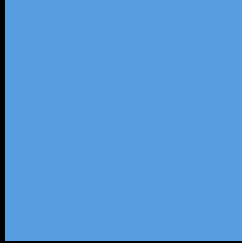
Large Text (above 18pt) WCAG AA × Fail

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 63, 40.927, 268.208 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

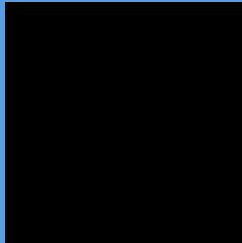
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

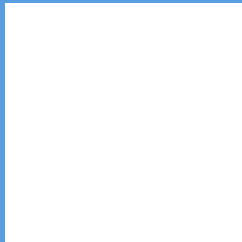
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 63, 40.927, 268.208

## Background



This preview shows how black text looks on a background with the CIELCh color 63, 40.927, 268.208.

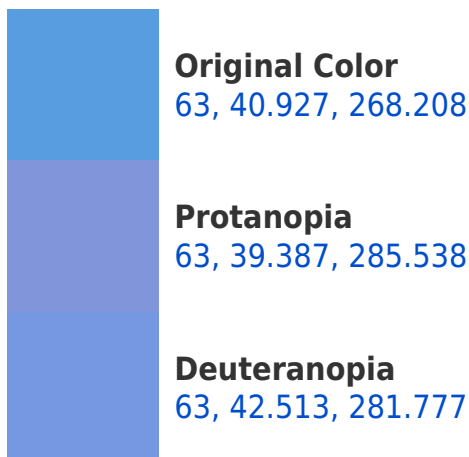


This preview shows how white text looks on a background with the CIELCh color 63, 40.927, 268.208.


# 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**  
63, 28.775, 211.979

# Trichromacy



**Original Color**  
63, 40.927, 268.208

**Protanomaly**  
63, 39.561, 278.231

**Deuteranomaly**  
63, 42.060, 276.834

**Tritanomaly**  
63, 29.617, 236.760

# Monochromacy



**Original Color**  
63, 40.927, 268.208

**Achromatopsia**  
60, 0.008, 296.813

**Achromatomaly**  
61, 15.756, 258.583

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 63, 40.927, 268.208 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(89, 157, 225)` looks like.

```
.text, #text, p{  
    color:rgb(89, 157, 225)  
}
```

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(89, 157, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 157, 225) }
```

## Border

The CSS property to change the border of an element to CIELCh 63, 40.927, 268.208 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(89, 157, 225) }
```

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

```
.border{ border-color:rgb(89, 157, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 157, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 157, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 157, 225);  
box-shadow:4px 4px 4px 4px rgb(89, 157,  
225) }
```

# Background

The CSS property to change the background color of an element to CIELCh 63, 40.927, 268.208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 157, 225) }
```

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

```
.background{ background-color: rgb(89, 157,  
225) }
```

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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