

Converting Colors

CIELCh(63, 35.457, 257.665)

Have a look what the booklet for
CIELCh(63, 35.457, 257.665)
contains.

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Color

CIELCh(63, 35.358, 257.936)

Conversions

Conversions Part 1

Format	Color
Hex	539FD5
RGB	83, 159, 213
RGB Percent	33%, 62%, 84%
CMY	0.6730, 0.3752, 0.1633
CMYK	0.61, 0.25, 0.00, 0.16
HSL	205°, 61%, 58%
HSV	205°, 61%, 84%
XYZ	28.1099, 31.5869, 67.7972
YIQ	142.4320, -62.6300, 0.6820

Conversions

Conversions Part 2

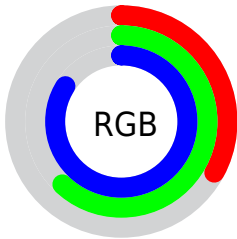
Format	Color
R _Y B	83, 131, 213
Decimal	5480405
CIE Lab	63.00, -7.39, -34.58
CIE LCh	63, 35.358, 257.936
Yxy	31.5869, 0.2205, 0.2478
Android (android.graphics.Color)	4283670485 (0xFF539FD5)
YUV	142.4320, 34.7900, -52.1219
Hunter-Lab	56.2022, -9.0761, -32.1804

Details

The CIELCh color **63, 35.358, 257.936** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **64, 47.003, 59.599**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 29.403, 246.422**, and **43, 34.957, 258.452** is the 20% darker color. If you saturate the color by 10%, you get **60, 40.199, 261.572**, and if you desaturate by 10%, it is **66, 30.234, 254.873**.

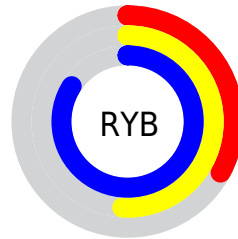
Distribution



Red (33%)

Green (62%)

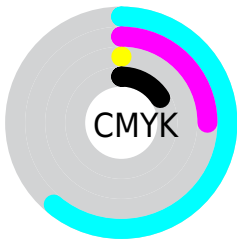
Blue (84%)



Red (33%)

Yellow (51%)

Blue (84%)

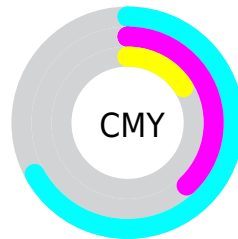


Cyan (61%)

Magenta (25%)

Yellow (0%)

Black (16%)



Cyan (67%)

Magenta (38%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 35.358, 257.936 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, 35.358, 257.936 by changing the saturation by 10% instead.

■ 63, 35.358,
257.936

■ 63, 35.358,
257.936

■ 100, 35.358,
257.936

■ 53, 35.358,
257.936

■ 83, 35.358,
257.936

■ 43, 35.358,
257.936

■ 93, 35.358,
257.936

■ 33, 35.358,
257.936

■ 23, 35.358,
257.936

■ 13, 35.358,
257.936

■ 3, 35.358, 257.936

■ 0, 35.358, 257.936

63, 35.358,
257.936

63, 35.358,
257.936

60, 40.199,
261.572

66, 30.234,
254.873

57, 44.832,
265.786

70, 24.808,
252.330

54, 49.379,
270.505

74, 19.093,
250.235

51, 53.596,
274.973

77, 13.122,
248.516

81, 6.941, 247.120

85, 0.593, 246.639

89, 5.879, 64.812

93, 12.437, 64.027

95, 14.452, 85.021

Harmonies

Complementary

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



63, 35.358, 257.936



64, 47.003, 59.599

Rectangle

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



63, 35.358, 257.936



63, 35.358, 307.936



63, 35.358, 77.936



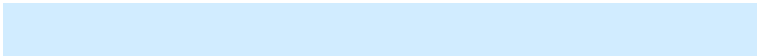
63, 35.358, 127.936

Sweetspot

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



63, 35.357, 257.936



92, 13.104, 248.104



77, 60.085, 152.012



48, 9.067, 248.548



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, 35.357, 257.936



70, 47.508, 262.707



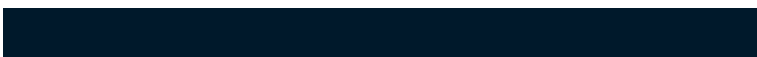
46, 68.985, 296.175



43, 3.628, 246.940



41, 44.837, 274.144



8, 15.173, 262.968

Inverse Universe

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



55, 60.667, 345.585



61, 79.245, 347.773



80, 59.300, 99.347



42, 5.859, 340.055



37, 64.369, 354.051



5, 24.557, 348.423

Previews

White Background



This preview shows how the CIE LCh color 63, 35.358, 257.936 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, 35.358, 257.936 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

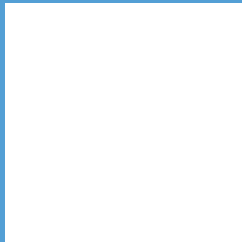
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 63, 35.358, 257.936

Background



This preview shows how black text looks on a background with the CIELCh color 63, 35.358, 257.936.

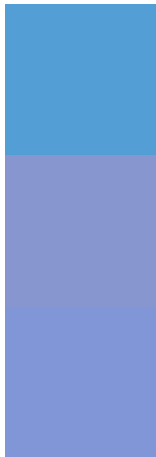


This preview shows how white text looks on a background with the CIELCh color 63, 35.358, 257.936.

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, 35.358, 257.936

Protanopia

63, 31.534, 284.808

Deuteranopia

63, 36.705, 283.536



Tritanopia
63, 28.775, 211.979

Trichromacy



Original Color
63, 35.358, 257.936

Protanomaly
63, 32.739, 273.615

Deuteranomaly
63, 35.588, 274.084

Tritanomaly
63, 28.794, 229.573

Monochromacy



Original Color
63, 35.358, 257.936

Achromatopsia
59, 0.008, 296.813

Achromatomaly
60, 14.594, 249.816

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 35.358, 257.936 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(83, 159, 213)` looks like.

```
.text, #text, p{  
    color:rgb(83, 159, 213)  
}
```

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(83, 159, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 159, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 35.358, 257.936 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(83, 159, 213) }
```

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

```
.border{ border-color:rgb(83, 159, 213) }
```

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

Here you see how a box with a 4 pixel rgb(83, 159, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 159, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 159, 213);  
box-shadow:4px 4px 4px 4px rgb(83, 159,  
213) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 35.358, 257.936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 159, 213) }
```

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

```
.background{ background-color: rgb(83, 159,  
213) }
```

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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