

Converting Colors

CIELCh(63, 38.853, 264.546)

Have a look what the booklet for
CIELCh(63, 38.853, 264.546)
contains.

CIELCh(63, 38.906, 264.545)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(63, 38.906, 264.545)

Conversions

Conversions Part 1

Format	Color
Hex	569EDD
RGB	86, 158, 221
RGB Percent	34%, 62%, 87%
CMY	0.6634, 0.3810, 0.1339
CMYK	0.61, 0.29, 0.00, 0.13
HSL	208°, 66%, 60%
HSV	208°, 61%, 87%
XYZ	29.0547, 31.5869, 72.8640
YIQ	143.6540, -63.1350, 4.3290

Conversions

Conversions Part 2

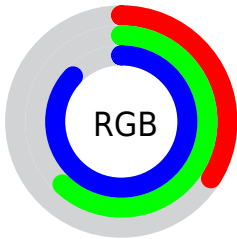
Format	Color
R_{YB}	86, 133, 221
Decimal	5676765
CIE _{Lab}	63.00, -3.70, -38.73
CIE _{LCh}	63, 38.906, 264.545
Yxy	31.5869, 0.2176, 0.2366
Android (android.graphics.Color)	4283866845 (0xFF569EDD)
YUV	143.6540, 38.1316, -50.5626
Hunter-Lab	56.2022, -6.0752, -37.5256

Details

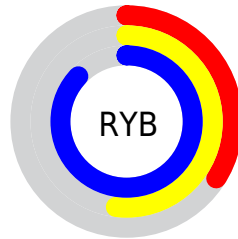
The CIELCh color **63, 38.906, 264.545** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **68, 48.502, 64.460**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 29.298, 250.054**, and **43, 38.932, 265.266** is the 20% darker color. If you saturate the color by 10%, you get **59, 44.647, 268.222**, and if you desaturate by 10%, it is **67, 33.003, 261.400**.

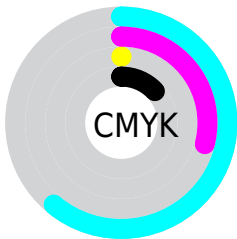
Distribution



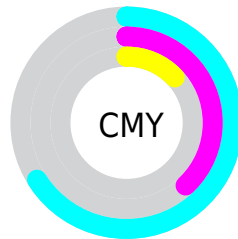
- Red (34%)
- Green (62%)
- Blue (87%)



- Red (34%)
- Yellow (52%)
- Blue (87%)



- Cyan (61%)
- Magenta (29%)
- Yellow (0%)
- Black (13%)





- Cyan (66%)
- Magenta (38%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 38.906, 264.545 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, 38.906, 264.545 by changing the saturation by 10% instead.


 63, 38.906,
264.545


 63, 38.906,
264.545


 100, 38.906,
264.545


 53, 38.906,
264.545


 83, 38.906,
264.545

 43, 38.906,
264.545

 93, 38.906,
264.545

 33, 38.906,
264.545

 23, 38.906,
264.545

 13, 38.906,
264.545

 3, 38.906, 264.545

 0, 38.906, 264.545

63, 38.906,
264.545

63, 38.906,
264.545

59, 44.647,
268.222

67, 33.003,
261.400

56, 50.310,
272.412

71, 26.905,
258.752

52, 56.011,
277.010

75, 20.608,
256.542

50, 61.222,
281.178

79, 14.132,
254.705

83, 7.510, 253.189

88, 0.776, 252.387

92, 6.037, 70.679

96, 11.306, 80.769

98, 15.171,

Harmonies

Complementary

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



63, 38.906, 264.545



68, 48.502, 64.460

Rectangle

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



63, 38.906, 264.545



63, 38.906, 314.545



63, 38.906, 84.545



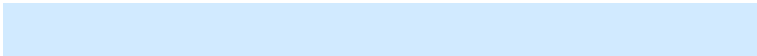
63, 38.906, 134.545

Sweetspot

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



63, 38.905, 264.545



91, 13.563, 254.220



79, 59.341, 154.216



47, 9.400, 254.696



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, 38.905, 264.545



67, 51.323, 269.206



46, 75.521, 298.186



44, 3.813, 252.963



39, 50.326, 280.346



8, 17.178, 270.145

Inverse Universe

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



57, 60.878, 348.757



60, 77.327, 351.222



84, 63.673, 102.046



43, 5.767, 342.613



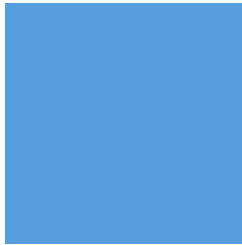
37, 63.954, 358.659



6, 25.437, 352.127

Previews

White Background



This preview shows how the CIELCh color 63, 38.906, 264.545 looks on a white background.

Color Contrast Check

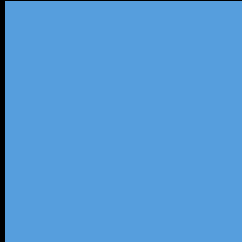
Large Text (above 18pt) WCAG AA × Fail

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, 38.906, 264.545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

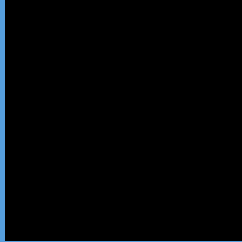
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 38.906, 264.545

Background



This preview shows how black text looks on a background with the CIELCh color 63, 38.906, 264.545.

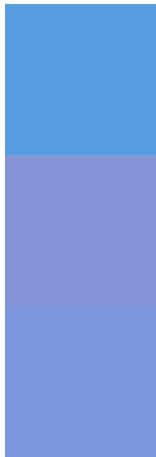


This preview shows how white text looks on a background with the CIELCh color 63, 38.906, 264.545.

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, 38.906, 264.545

Protanopia
63, 36.561, 285.808

Deuteranopia
63, 40.732, 282.423



Tritanopia
63, 29.119, 211.775

Trichromacy



Original Color
63, 38.906, 264.545

Protanomaly
63, 36.894, 276.887

Deuteranomaly
63, 39.883, 276.086

Tritanomaly
63, 29.588, 233.985

Monochromacy



Original Color
63, 38.906, 264.545

Achromatopsia
60, 0.008, 296.813

Achromatomaly
61, 15.478, 256.265

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 38.906, 264.545 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(86, 158, 221)` looks like.

```
.text, #text, p{  
    color:rgb(86, 158, 221)  
}
```

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(86, 158, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 158, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 38.906, 264.545 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(86, 158, 221) }
```

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

```
.border{ border-color:rgb(86, 158, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 158, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 158, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 158, 221);  
box-shadow:4px 4px 4px 4px rgb(86, 158,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 38.906, 264.545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 158, 221) }
```

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

```
.background{ background-color: rgb(86, 158,  
221) }
```

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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