

Converting Colors

CIELCh(63, 31.267, 263.372)

Have a look what the booklet for
CIELCh(63, 31.267, 263.372)
contains.

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Color

CIELCh(63, 31.229, 263.176)

Conversions

Conversions Part 1

Format	Color
Hex	689DCF
RGB	104, 157, 207
RGB Percent	41%, 62%, 81%
CMY	0.5919, 0.3841, 0.1880
CMYK	0.50, 0.24, 0.00, 0.19
HSL	209°, 52%, 61%
HSV	209°, 50%, 81%
XYZ	29.0516, 31.5869, 63.6346
YIQ	146.8530, -47.6380, 4.3140

Conversions

Conversions Part 2

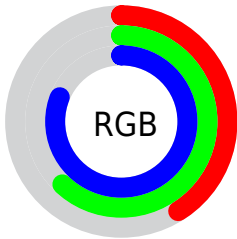
Format	Color
RYB	104, 139, 207
Decimal	6856143
CIELab	63.00, -3.71, -31.01
CIElCh	63, 31.229, 263.176
Yxy	31.5869, 0.2338, 0.2542
Android (android.graphics.Color)	4285046223 (0xFF689DCF)
YUV	146.8530, 29.6525, -37.5821
Hunter-Lab	56.2022, -6.0851, -27.7891

Details

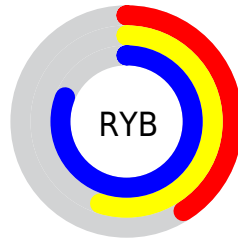
The CIELCh color `63, 31.229, 263.176` is a light color, and the websafe version is hex `6699CC`. A complement of this color would be `68, 36.589, 67.747`, and the grayscale version is `61, 0.008, 296.813`.

A 20% lighter version of the original color is `83, 27.413, 257.510`, and `43, 31.032, 262.612` is the 20% darker color. If you saturate the color by 10%, you get `59, 37.095, 266.228`, and if you desaturate by 10%, it is `67, 25.212, 260.597`.

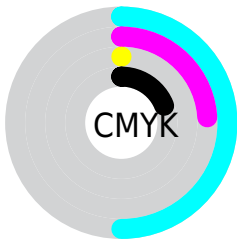
Distribution



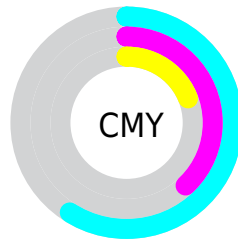
- Red (41%)
- Green (62%)
- Blue (81%)



- Red (41%)
- Yellow (55%)
- Blue (81%)



- Cyan (50%)
- Magenta (24%)
- Yellow (0%)
- Black (19%)





- Cyan (59%)
- Magenta (38%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 31.229, 263.176 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, 31.229, 263.176 by changing the saturation by 10% instead.


 63, 31.229,
263.176


 63, 31.229,
263.176


 100, 31.229,
263.176


 53, 31.229,
263.176


 83, 31.229,
263.176

 43, 31.229,
263.176

 93, 31.229,
263.176

 33, 31.229,
263.176

 23, 31.229,
263.176

 13, 31.229,
263.176

 3, 31.229, 263.176

 0, 31.229, 263.176

63, 31.229,
263.176

63, 31.229,
263.176

59, 37.095,
266.228

67, 25.212,
260.597

56, 42.845,
269.789

71, 19.044,
258.436

52, 48.548,
273.843

75, 12.742,
256.632

49, 54.306,
278.298

79, 6.331, 255.141

46, 60.243,
282.876

83, 0.161, 71.376

87, 6.704, 72.649

46, 60.400,
282.987

92, 13.274, 71.748

95, 16.914, 86.020

97, 20.740,
100.823

Harmonies

Complementary

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



63, 31.229, 263.176



68, 36.589, 67.747

Rectangle

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



63, 31.229, 263.176



63, 31.229, 313.176



63, 31.229, 83.176



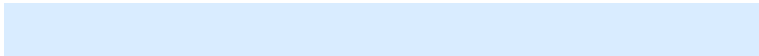
63, 31.229, 133.176

Sweetspot

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



63, 31.228, 263.176



93, 11.500, 255.914



76, 45.655, 157.577



48, 7.835, 256.242



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, 31.228, 263.176



72, 44.067, 266.555



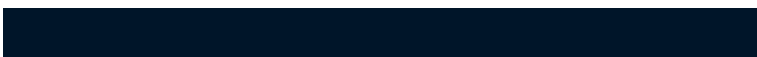
49, 59.204, 296.822



42, 3.717, 255.097



37, 51.037, 282.259



6, 15.891, 270.655

Inverse Universe

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



58, 47.864, 348.085



65, 66.657, 349.852



81, 51.791, 104.712



41, 5.474, 343.606



36, 62.290, 0.313



5, 21.963, 353.001

Previews

White Background



This preview shows how the CIELCh color 63, 31.229, 263.176 looks on a white background.

Color Contrast Check

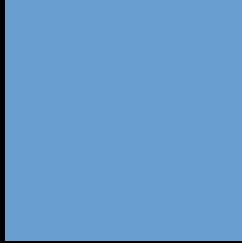
Large Text (above 18pt) WCAG AA × Fail

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, 31.229, 263.176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

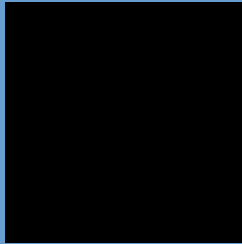
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 31.229, 263.176

Background



This preview shows how black text looks on a background with the CIELCh color 63, 31.229, 263.176.

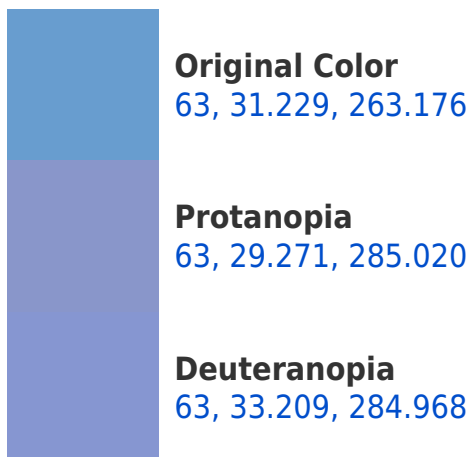



This preview shows how white text looks on a background with the CIELCh color 63, 31.229, 263.176.

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, 22.726, 216.519

Trichromacy



Original Color
63, 31.229, 263.176

Protanomaly
63, 29.472, 275.892

Deuteranomaly
63, 31.704, 276.509

Tritanomaly
63, 23.703, 236.280

Monochromacy



Original Color
63, 31.229, 263.176

Achromatopsia
61, 0.008, 296.813

Achromatomaly
62, 12.156, 255.692

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 31.229, 263.176 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(104, 157, 207)` looks like.

```
.text, #text, p{  
    color:rgb(104, 157, 207)  
}
```

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(104, 157, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 157, 207) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 31.229, 263.176 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(104, 157, 207) }
```

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

```
.border{ border-color:rgb(104, 157, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 157, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(104, 157, 207); -webkit-box-shadow:4px 4px 4px 4px rgb(104, 157, 207); box-shadow:4px 4px 4px 4px rgb(104, 157, 207) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 31.229, 263.176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 157, 207) }
```

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

```
.background{ background-color: rgb(104,  
157, 207) }
```

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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