

Converting Colors

CIELCh(64, 39.984, 270.090)

Have a look what the booklet for
CIELCh(64, 39.984, 270.090)
contains.

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Color

CIELCh(64, 39.800, 269.803)

Conversions

Conversions Part 1

Format	Color
Hex	639FE2
RGB	99, 159, 226
RGB Percent	39%, 62%, 89%
CMY	0.6131, 0.3776, 0.1150
CMYK	0.56, 0.30, 0.00, 0.11
HSL	212°, 68%, 64%
HSV	212°, 56%, 89%
XYZ	31.1399, 32.8017, 76.4114
YIQ	148.6980, -57.2670, 8.1170

Conversions

Conversions Part 2

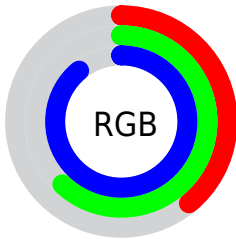
Format	Color
R _Y B	99, 140, 226
Decimal	6528994
CIE Lab	64.00, -0.14, -39.80
CIE LCh	64, 39.800, 269.803
Yxy	32.8017, 0.2219, 0.2337
Android (android.graphics.Color)	4284719074 (0xFF639FE2)
YUV	148.6980, 38.1099, -43.5851
Hunter-Lab	57.2727, -3.1746, -39.0118

Details

The CIELCh color **64, 39.800, 269.803** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **72, 45.503, 70.957**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 27.181, 253.983**, and **44, 39.619, 269.565** is the 20% darker color. If you saturate the color by 10%, you get **60, 46.658, 273.174**, and if you desaturate by 10%, it is **68, 32.895, 266.907**.

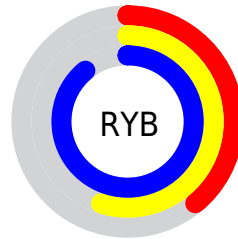
Distribution



Red (39%)

Green (62%)

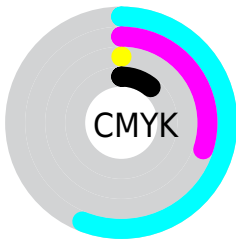
Blue (89%)



Red (39%)

Yellow (55%)

Blue (89%)

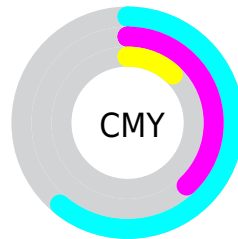


Cyan (56%)

Magenta (30%)

Yellow (0%)

Black (11%)



Cyan (61%)


Magenta (38%)


Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 39.800, 269.803 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 64, 39.800, 269.803 by changing the saturation by 10% instead.

 64, 39.800,
269.803


 64, 39.800,
269.803


 100, 39.800,
269.803


 54, 39.800,
269.803


 84, 39.800,
269.803

 44, 39.800,
269.803

 94, 39.800,
269.803

 34, 39.800,
269.803

 24, 39.800,
269.803

 14, 39.800,
269.803

 4, 39.800, 269.803

 0, 39.800, 269.803

64, 39.800,
269.803

64, 39.800,
269.803

60, 46.658,
273.174

68, 32.895,
266.907

56, 53.537,
277.009

73, 25.914,
264.450

52, 60.525,
281.230

78, 18.851,
262.380

48, 67.706,
285.660

82, 11.717,
260.642

47, 70.451,
287.244

87, 4.534, 259.214

92, 2.677, 77.731

96, 9.578, 79.821

99, 14.298,
107.503

■ 99, 14.834,
109.056

Harmonies

Complementary

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



64, 39.800, 269.803



72, 45.503, 70.957

Rectangle

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



64, 39.800, 269.803



64, 39.800, 319.803



64, 39.800, 89.803



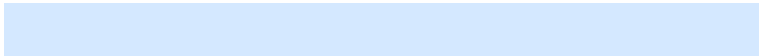
64, 39.800, 139.803

Sweetspot

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



64, 39.799, 269.803



91, 13.508, 260.776



82, 53.030, 158.293



48, 9.029, 261.108



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 39.799, 269.803



66, 52.812, 273.973



48, 74.105, 299.208



45, 4.077, 259.628



37, 57.508, 286.471



7, 19.851, 277.371

Inverse Universe

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



59, 56.150, 351.836



62, 72.013, 354.358



87, 62.885, 105.709



44, 5.643, 345.914



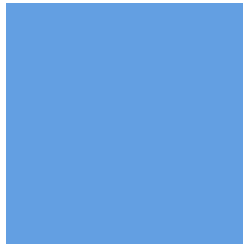
38, 63.967, 4.437



6, 26.177, 356.738

Previews

White Background



This preview shows how the CIELCh color 64, 39.800, 269.803 looks on a white background.

Color Contrast Check

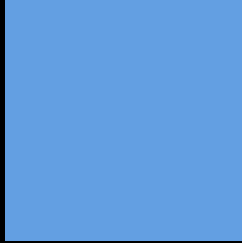
Large Text (above 18pt) WCAG AA × Fail

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 64, 39.800, 269.803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

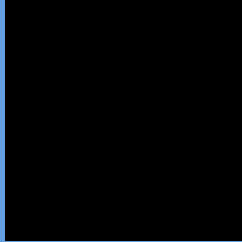
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

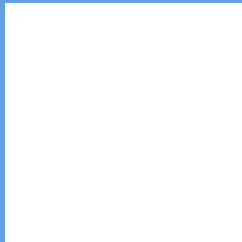
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 39.800, 269.803

Background



This preview shows how black text looks on a background with the CIELCh color 64, 39.800, 269.803.

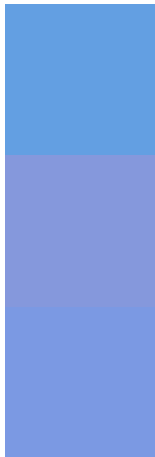


This preview shows how white text looks on a background with the CIELCh color 64, 39.800, 269.803.

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


64, 39.800, 269.803

Protanopia

64, 38.135, 285.437

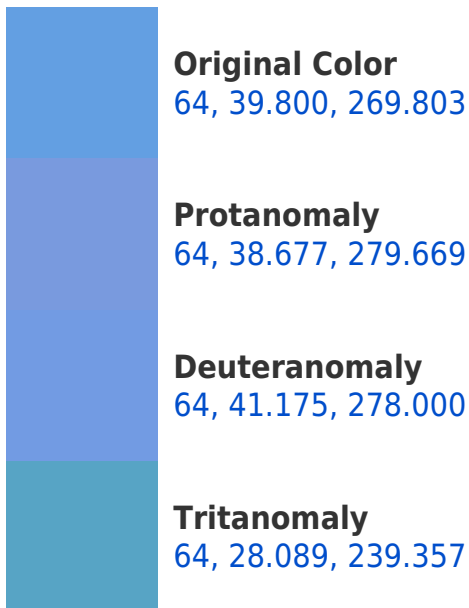
Deuteranopia

64, 41.757, 282.470

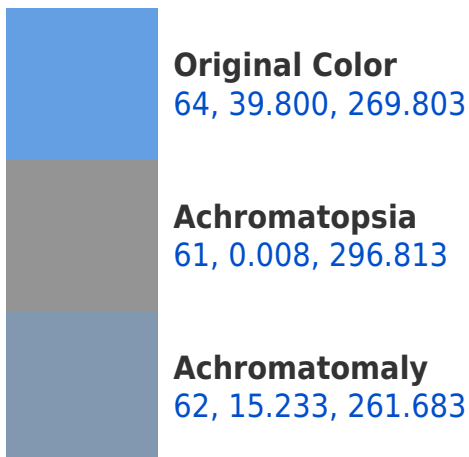


Tritanopia
64, 26.568, 214.676

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 39.800, 269.803 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(99, 159, 226)` looks like.

```
.text, #text, p{  
    color:rgb(99, 159, 226)  
}
```

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(99, 159, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 159, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 39.800, 269.803 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(99, 159, 226) }
```

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

```
.border{ border-color:rgb(99, 159, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 159, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 159, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 159, 226);  
box-shadow:4px 4px 4px 4px rgb(99, 159,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 39.800, 269.803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 159, 226) }
```

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

```
.background{ background-color: rgb(99, 159,  
226) }
```

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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