

# Converting Colors

CIELCh(64, 28.119, 265.756)

Have a look what the booklet for  
CIELCh(64, 28.119, 265.756)  
contains.

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# **Color**

**CIELCh(64, 28.116, 265.487)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	759FCD
RGB	117, 159, 205
RGB Percent	46%, 62%, 80%
CMY	0.5428, 0.3780, 0.1977
CMYK	0.43, 0.22, 0.00, 0.20
HSL	211°, 47%, 63%
HSV	211°, 43%, 80%
XYZ	30.5808, 32.8017, 62.2127
YIQ	151.6860, -39.7980, 5.4020

# Conversions

## Conversions Part 2

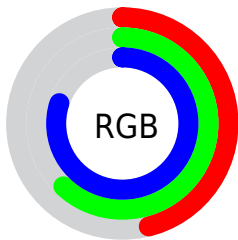
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	117, 145, 205
Decimal	7708621
CIE <sub>Lab</sub>	64.00, -2.21, -28.03
CIE <sub>LCh</sub>	64, 28.116, 265.487
Yxy	32.8017, 0.2435, 0.2612
Android (android.graphics.Color)	4285898701 (0xFF759FCD)
YUV	151.6860, 26.2838, -30.4196
Hunter-Lab	57.2727, -4.9172, -24.3131

# Details

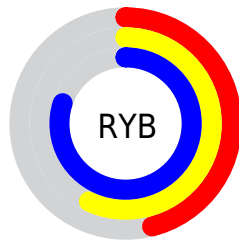
The CIELCh color `64, 28.116, 265.487` is a light color, and the websafe version is hex `6699CC`. A complement of this color would be `70, 31.243, 72.320`, and the grayscale version is `62, 0.008, 296.813`.

A 20% lighter version of the original color is `84, 24.820, 260.050`, and `44, 28.183, 265.685` is the 20% darker color. If you saturate the color by 10%, you get `60, 34.456, 268.207`, and if you desaturate by 10%, it is `68, 21.691, 263.185`.

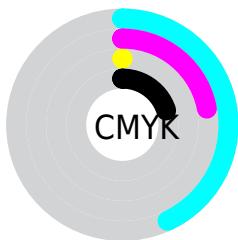
# Distribution



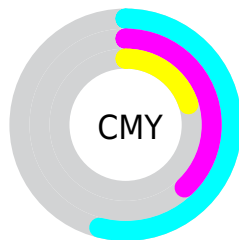
- Red (46%)
- Green (62%)
- Blue (80%)



- Red (46%)
- Yellow (57%)
- Blue (80%)



- Cyan (43%)
- Magenta (22%)
- Yellow (0%)
- Black (20%)



- Cyan (54%)
- Magenta (38%)
- Yellow (20%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 28.116, 265.487 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, 28.116, 265.487 by changing the saturation by 10% instead.



 64, 28.116,  
265.487

 64, 28.116,  
265.487

 100, 28.116,  
265.487

 54, 28.116,  
265.487

 84, 28.116,  
265.487

 44, 28.116,  
265.487

 94, 28.116,  
265.487

 34, 28.116,  
265.487

 24, 28.116,  
265.487

 14, 28.116,  
265.487

 4, 28.116, 265.487

 0, 28.116, 265.487

64, 28.116,  
265.487

64, 28.116,  
265.487

60, 34.456,  
268.207

68, 21.691,  
263.185

56, 40.732,  
271.390

72, 15.187,  
261.248

52, 46.990,  
275.048

77, 8.617, 259.625

49, 53.309,  
279.130

81, 2.002, 258.372

85, 4.635, 76.934

45, 59.772,  
283.506

90, 11.276, 75.964

43, 64.428,  
286.532

94, 16.925, 80.242

96, 20.546, 97.112

99, 25.356,  
108.100



# Harmonies

# Complementary

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



64, 28.116, 265.487



70, 31.243, 72.320

# Rectangle

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



64, 28.116, 265.487



64, 28.116, 315.487



64, 28.116, 85.487



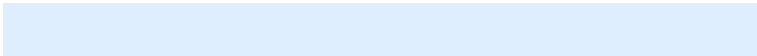
64, 28.116, 135.487

# Sweetspot

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



64, 28.115, 265.486



93, 10.298, 259.649



76, 38.450, 160.202



49, 7.200, 259.987



0, 0.000, 0.000



53, 0.007, 296.813



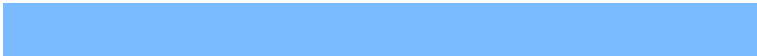


# Same Dimension

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



64, 28.115, 265.486



74, 40.426, 268.107



53, 50.897, 296.552



41, 3.754, 259.113



35, 54.259, 285.821



5, 15.572, 273.109



# Inverse Universe

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



60, 40.483, 349.380



69, 57.869, 350.844



80, 45.447, 106.840



40, 5.233, 345.634



35, 61.242, 3.752

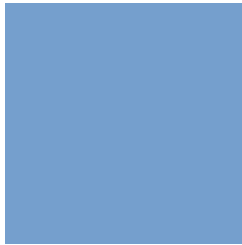


4, 19.703, 354.927



# Previews

## White Background



This preview shows how the CIELCh color 64, 28.116, 265.487 looks on a white background.

## Color Contrast Check

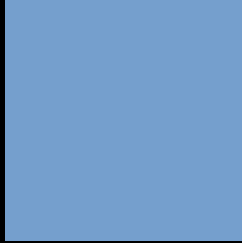
Large Text (above 18pt) WCAG AA × Fail

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, 28.116, 265.487 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

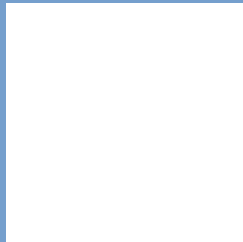
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 64, 28.116, 265.487

## Background



This preview shows how black text looks on a background with the CIELCh color 64, 28.116, 265.487.

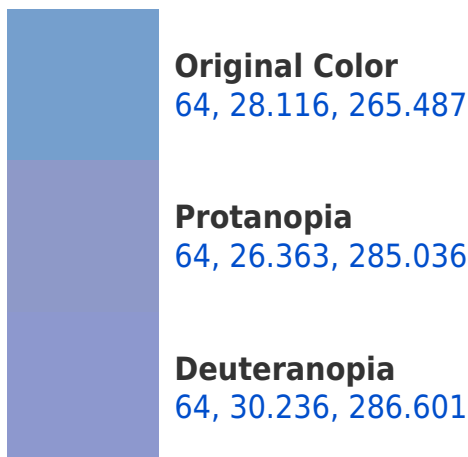


This preview shows how white text looks on a background with the CIELCh color 64, 28.116, 265.487.

# 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**  
64, 19.237, 220.321

# Trichromacy



**Original Color**  
64, 28.116, 265.487

**Protanomaly**  
64, 26.882, 277.666

**Deuteranomaly**  
64, 29.036, 279.242

**Tritanomaly**  
64, 20.790, 240.823

# Monochromacy



**Original Color**  
64, 28.116, 265.487

**Achromatopsia**  
62, 0.008, 296.813

**Achromatomaly**  
63, 10.486, 258.060

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 64, 28.116, 265.487 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(117, 159, 205)` looks like.

```
.text, #text, p{  
    color:rgb(117, 159, 205)  
}
```

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(117, 159, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 159, 205) }
```

## Border

The CSS property to change the border of an element to CIELCh 64, 28.116, 265.487 is called "border". The border property can be set on classes, ids or directly on the HTML element.

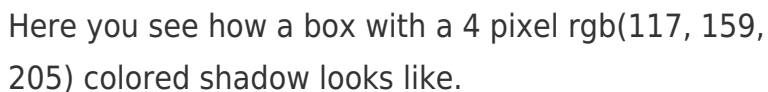
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 159, 205) }
```

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

```
.border{ border-color:rgb(117, 159, 205) }
```

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



Here you see how a box with a 4 pixel rgb(117, 159, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 159, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 159, 205);  
box-shadow:4px 4px 4px 4px rgb(117, 159,  
205) }
```

# Background

The CSS property to change the background color of an element to CIELCh 64, 28.116, 265.487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 159, 205) }
```

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

```
.background{ background-color: rgb(117,  
159, 205) }
```

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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