

Converting Colors

CIELCh(64, 29.450, 257.353)

Have a look what the booklet for
CIELCh(64, 29.450, 257.353)
contains.

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Color

CIELCh(64, 29.559, 257.347)

Conversions

Conversions Part 1

Format	Color
Hex	67A1CE
RGB	103, 161, 206
RGB Percent	40%, 63%, 81%
CMY	0.5963, 0.3689, 0.1924
CMYK	0.50, 0.22, 0.00, 0.19
HSL	206°, 51%, 61%
HSV	206°, 50%, 81%
XYZ	29.4536, 32.8017, 63.1307
YIQ	148.7880, -49.0130, 1.6990

Conversions

Conversions Part 2

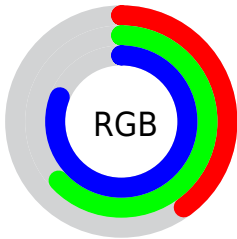
Format	Color
RYB	103, 140, 206
Decimal	6791630
CIELab	64.00, -6.47, -28.84
CIElCh	64, 29.559, 257.347
Yxy	32.8017, 0.2349, 0.2616
Android (android.graphics.Color)	4284981710 (0xFF67A1CE)
YUV	148.7880, 28.2055, -40.1561
Hunter-Lab	57.2727, -8.4304, -25.2634

Details

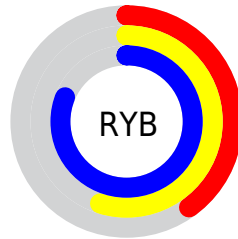
The CIELCh color **64, 29.559, 257.347** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **66, 36.369, 62.804**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 26.334, 250.457**, and **44, 29.626, 257.209** is the 20% darker color. If you saturate the color by 10%, you get **61, 34.804, 260.383**, and if you desaturate by 10%, it is **68, 24.063, 254.811**.

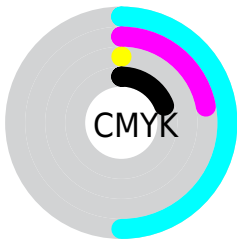
Distribution



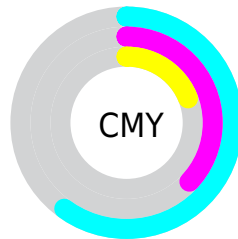
- Red (40%)
- Green (63%)
- Blue (81%)



- Red (40%)
- Yellow (55%)
- Blue (81%)



- Cyan (50%)
- Magenta (22%)
- Yellow (0%)
- Black (19%)



- Cyan (60%)
- Magenta (37%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 29.559, 257.347 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, 29.559, 257.347 by changing the saturation by 10% instead.

■ 64, 29.559,
257.347

■ 64, 29.559,
257.347

■ 100, 29.559,
257.347

■ 54, 29.559,
257.347

■ 84, 29.559,
257.347

■ 44, 29.559,
257.347

■ 94, 29.559,
257.347

■ 34, 29.559,
257.347

■ 24, 29.559,
257.347

■ 14, 29.559,
257.347

■ 4, 29.559, 257.347

■ 0, 29.559, 257.347

64, 29.559,
257.347

64, 29.559,
257.347

61, 34.804,
260.383

68, 24.063,
254.811

57, 39.823,
263.970

71, 18.329,
252.711

54, 44.683,
268.109

75, 12.384,
250.977

51, 49.496,
272.726

79, 6.267, 249.562

48, 54.422,
277.526

83, 0.016, 275.632

87, 6.335, 67.206

91, 12.751, 66.384

93, 16.184, 78.123

96, 19.001, 93.722

Harmonies

Complementary

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



64, 29.559, 257.347



66, 36.369, 62.804

Rectangle

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



64, 29.559, 257.347



64, 29.559, 307.347



64, 29.559, 77.347



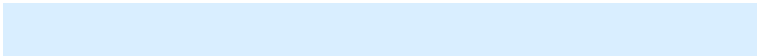
64, 29.559, 127.347

Sweetspot

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



64, 29.558, 257.347



93, 11.103, 250.255



76, 47.657, 155.136



49, 7.556, 250.566



0, 0.000, 0.000



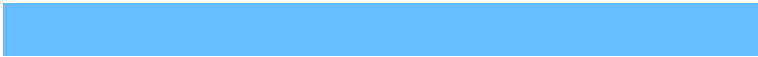
53, 0.007, 296.813

Same Dimension

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



64, 29.558, 257.347



74, 41.327, 260.627



50, 56.032, 294.973



41, 3.525, 249.485



39, 45.679, 276.708



6, 13.986, 264.743

Inverse Universe

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



57, 49.200, 345.266



65, 68.334, 346.809



79, 49.631, 102.248



40, 5.545, 341.093



36, 62.462, 355.831



4, 20.628, 349.523

Previews

White Background



This preview shows how the CIELCh color 64, 29.559, 257.347 looks on a white background.

Color Contrast Check

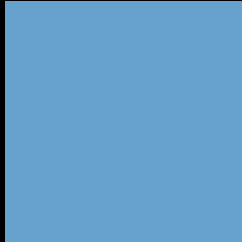
Large Text (above 18pt) WCAG AA × Fail

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, 29.559, 257.347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

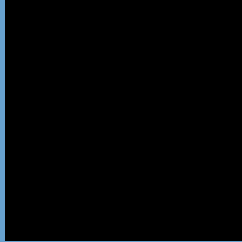
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 29.559, 257.347

Background



This preview shows how black text looks on a background with the CIELCh color 64, 29.559, 257.347.

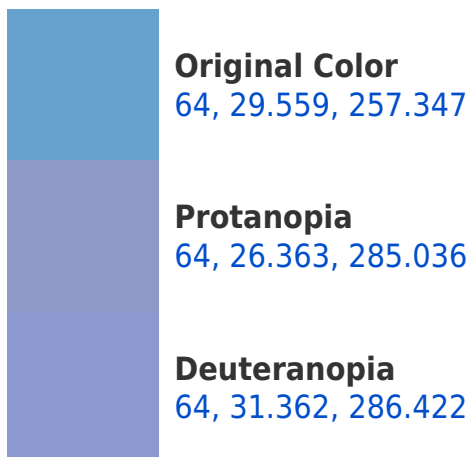



This preview shows how white text looks on a background with the CIELCh color 64, 29.559, 257.347.

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, 23.445, 215.823

Trichromacy



Original Color
64, 29.559, 257.347

Protanomaly
64, 26.797, 273.443

Deuteranomaly
64, 29.933, 276.237

Tritanomaly
64, 24.242, 233.431

Monochromacy



Original Color
64, 29.559, 257.347

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 11.894, 252.574

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 29.559, 257.347 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(103, 161, 206)` looks like.

```
.text, #text, p{  
    color:rgb(103, 161, 206)  
}
```

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(103, 161, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 161, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 29.559, 257.347 is called "border". The border property can be set on classes, ids or directly on the HTML element.

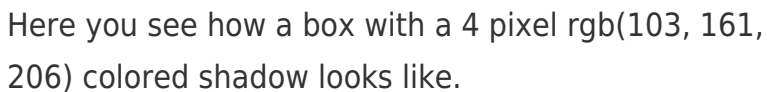
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(103, 161, 206) }
```

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

```
.border{ border-color:rgb(103, 161, 206) }
```

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



Here you see how a box with a 4 pixel `rgb(103, 161, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 161, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 161, 206);  
box-shadow:4px 4px 4px 4px rgb(103, 161,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 29.559, 257.347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 161, 206) }
```

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

```
.background{ background-color: rgb(103,  
161, 206) }
```

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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