

Converting Colors

CIELCh(67, 27.183, 271.171)

Have a look what the booklet for
CIELCh(67, 27.183, 271.171)
contains.

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Color

CIELCh(67, 27.427, 271.262)

Conversions

Conversions Part 1

Format	Color
Hex	85A5D4
RGB	133, 165, 212
RGB Percent	52%, 65%, 83%
CMY	0.4786, 0.3531, 0.1688
CMYK	0.37, 0.22, 0.00, 0.17
HSL	216°, 48%, 68%
HSV	216°, 37%, 83%
XYZ	34.9943, 36.6320, 67.4878
YIQ	160.7900, -34.1590, 7.8330

Conversions

Conversions Part 2

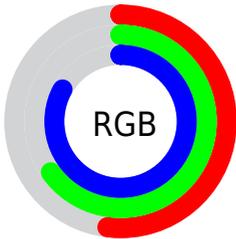
Format	Color
RYB	133, 156, 212
Decimal	8758740
CIELab	67.00, 0.60, -27.42
CIELCh	67, 27.427, 271.262
Yxy	36.6320, 0.2516, 0.2633
Android (android.graphics.Color)	4286948820 (0xFF85A5D4)
YUV	160.7900, 25.2465, -24.3718
Hunter-Lab	60.5244, -2.7117, -23.7444

Details

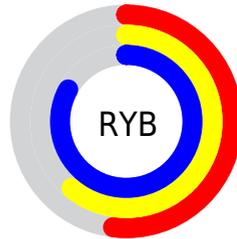
The CIELCh color `67, 27.427, 271.262` is a light color, and the websafe version is hex `6699CC`. A complement of this color would be `75, 28.701, 80.030`, and the grayscale version is `66, 0.008, 296.813`.

A 20% lighter version of the original color is `87, 20.704, 261.891`, and `47, 27.462, 271.726` is the 20% darker color. If you saturate the color by 10%, you get `62, 34.870, 273.694`, and if you desaturate by 10%, it is `72, 20.020, 269.190`.

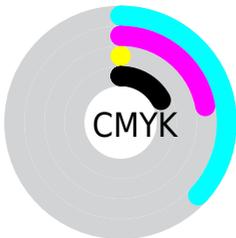
Distribution



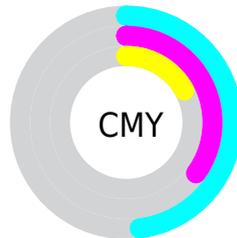
- Red (52%)
- Green (65%)
- Blue (83%)



- Red (52%)
- Yellow (61%)
- Blue (83%)



- Cyan (37%)
- Magenta (22%)
- Yellow (0%)
- Black (17%)



- Cyan (48%)
- Magenta (35%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 27.427, 271.262 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 67, 27.427, 271.262 by changing the saturation by 10% instead.

■ 67, 27.427,
271.262

■ 67, 27.427,
271.262

■ 100, 27.427,
271.262

■ 57, 27.427,
271.262

■ 87, 27.427,
271.262

■ 47, 27.427,
271.262

■ 97, 27.427,
271.262

■ 37, 27.427,
271.262

■ 27, 27.427,
271.262

■ 17, 27.427,
271.262

■ 7, 27.427, 271.262

■ 0, 27.427, 271.262

67, 27.427,
271.262

67, 27.427,
271.262

62, 34.870,
273.694

72, 20.020,
269.190

58, 42.371,
276.531

77, 12.646,
267.434

53, 49.969,
279.790

81, 5.311, 265.963

49, 57.719,
283.440

86, 1.977, 84.462

91, 9.207, 83.475

45, 65.668,
287.382

95, 15.591, 88.912

41, 73.808,
291.411

99, 20.889,
106.789

40, 76.063,
292.442

99, 21.744,
108.531

Harmonies

Complementary

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



67, 27.427, 271.262



75, 28.701, 80.030

Rectangle

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



67, 27.427, 271.262



67, 27.427, 321.262



67, 27.427, 91.262



67, 27.427, 141.262

Sweetspot

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



67, 27.426, 271.261



94, 9.345, 266.494



79, 32.753, 164.640



49, 6.281, 266.695



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



67, 27.426, 271.261



75, 38.550, 273.229



59, 44.890, 297.602



43, 4.184, 266.255



32, 63.754, 291.814



5, 19.534, 280.359

Inverse Universe

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



65, 34.863, 353.164



72, 48.854, 354.420



83, 40.891, 110.339



42, 5.204, 349.903



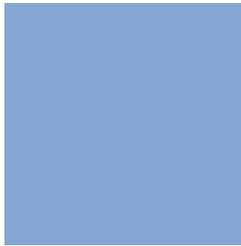
36, 62.736, 10.847



5, 22.762, 0.360

Previews

White Background



This preview shows how the CIELCh color 67, 27.427, 271.262 looks on a white background.

Color Contrast Check

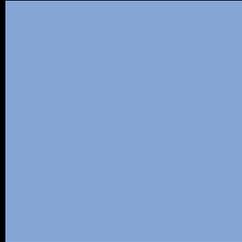
Large Text (above 18pt) WCAG AA × Fail

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 67, 27.427, 271.262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

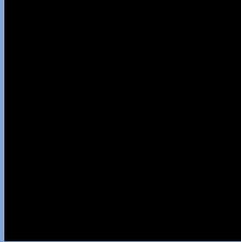
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

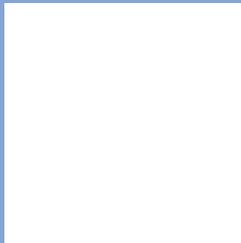
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 27.427, 271.262

Background



This preview shows how black text looks on a background with the CIELCh color 67, 27.427, 271.262.



This preview shows how white text looks on a background with the CIELCh color 67, 27.427, 271.262.

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

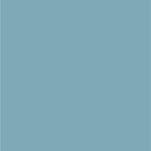
67, 27.427, 271.262

Protanopia

67, 26.670, 285.097

Deuteranopia

67, 29.367, 287.435



Tritanopia
67, 16.455, 226.573

Trichromacy



Original Color
67, 27.427, 271.262

Protanomaly
67, 26.962, 280.405

Deuteranomaly
67, 28.563, 281.379

Tritanomaly
67, 18.864, 248.671

Monochromacy



Original Color
67, 27.427, 271.262

Achromatopsia
66, 0.008, 296.813

Achromatomaly
66, 10.617, 269.526

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 27.427, 271.262 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(133, 165, 212)` looks like.

```
.text, #text, p{  
    color:rgb(133, 165, 212)  
}
```

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(133, 165, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 165, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 27.427, 271.262 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(133, 165, 212) }
```

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

```
.border{ border-color:rgb(133, 165, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 165, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 165, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 165, 212);  
box-shadow:4px 4px 4px 4px rgb(133, 165,  
212) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 27.427, 271.262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 165, 212) }
```

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

```
.background{ background-color: rgb(133,  
165, 212) }
```

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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