

Converting Colors

CIELCh(67, 33.935, 265.331)

Have a look what the booklet for
CIELCh(67, 33.935, 265.331)
contains.

CIELCh(67, 33.971, 265.399)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(67, 33.971, 265.399)

Conversions

Conversions Part 1

Format	Color
Hex	70A7DF
RGB	112, 167, 223
RGB Percent	44%, 65%, 87%
CMY	0.5589, 0.3433, 0.1236
CMYK	0.50, 0.25, 0.00, 0.12
HSL	210°, 64%, 66%
HSV	210°, 50%, 88%
XYZ	34.0280, 36.6320, 75.4279
YIQ	156.9390, -50.7560, 5.7560

Conversions

Conversions Part 2

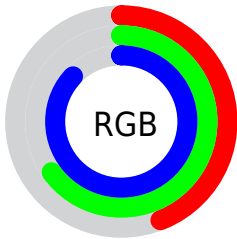
Format	Color
RYB	112, 149, 223
Decimal	7383007
CIELab	67.00, -2.73, -33.86
CIElCh	67, 33.971, 265.399
Yxy	36.6320, 0.2329, 0.2508
Android (android.graphics.Color)	4285573087 (0xFF70A7DF)
YUV	156.9390, 32.5681, -39.4115
Hunter-Lab	60.5244, -5.5613, -31.5226

Details

The CIELCh color **67, 33.971, 265.399** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **73, 39.084, 69.649**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 23.424, 246.670**, and **47, 34.293, 266.021** is the 20% darker color. If you saturate the color by 10%, you get **63, 40.477, 268.468**, and if you desaturate by 10%, it is **71, 27.346, 262.797**.

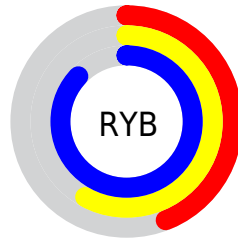
Distribution



Red (44%)

Green (65%)

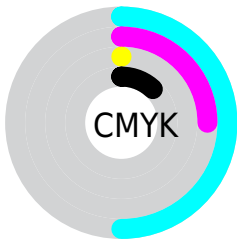
Blue (87%)



Red (44%)

Yellow (58%)

Blue (87%)

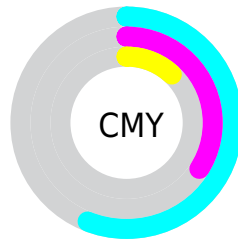


Cyan (50%)

Magenta (25%)

Yellow (0%)

Black (12%)



Cyan (56%)

Magenta (34%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 33.971, 265.399 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, 33.971, 265.399 by changing the saturation by 10% instead.

■ 67, 33.971,
265.399

■ 67, 33.971,
265.399

■ 100, 33.971,
265.399

■ 57, 33.971,
265.399

■ 87, 33.971,
265.399

■ 47, 33.971,
265.399

■ 97, 33.971,
265.399

■ 37, 33.971,
265.399

■ 27, 33.971,
265.399

■ 17, 33.971,
265.399

■ 7, 33.971, 265.399

■ 0, 33.971, 265.399

67, 33.971,
265.399

67, 33.971,
265.399

63, 40.477,
268.468

71, 27.346,
262.797

59, 46.905,
272.033

76, 20.598,
260.610

55, 53.331,
276.072

80, 13.736,
258.779

51, 59.857,
280.481

85, 6.786, 257.259

48, 66.591,
284.992

89, 0.226, 74.138

48, 66.821,
285.134

94, 7.273, 74.723

97, 12.078, 94.178

99, 15.945,
108.972

Harmonies

Complementary

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



67, 33.971, 265.399



73, 39.084, 69.649

Rectangle

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



67, 33.971, 265.399



67, 33.971, 315.399



67, 33.971, 85.399



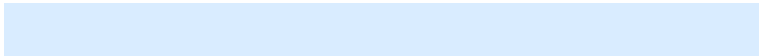
67, 33.971, 135.399

Sweetspot

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



67, 33.970, 265.399



92, 11.688, 258.048



81, 47.800, 158.401



48, 7.965, 258.381



0, 0.000, 0.000



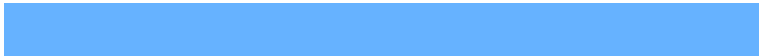
53, 0.007, 296.813

Same Dimension

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



67, 33.970, 265.399



71, 45.272, 268.726



52, 64.077, 297.445



45, 4.000, 257.229



38, 55.003, 284.363



8, 19.126, 275.161

Inverse Universe

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



62, 50.326, 349.291



65, 66.053, 351.111



87, 55.799, 105.459



44, 5.728, 344.657



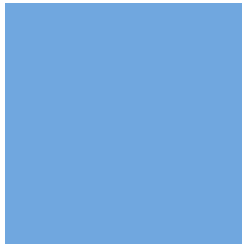
38, 64.129, 2.284



6, 26.383, 355.087

Previews

White Background



This preview shows how the CIELCh color 67, 33.971, 265.399 looks on a white background.

Color Contrast Check

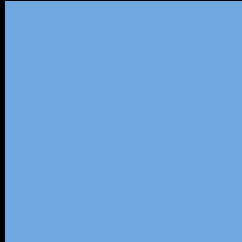
Large Text (above 18pt) WCAG AA × Fail

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, 33.971, 265.399 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

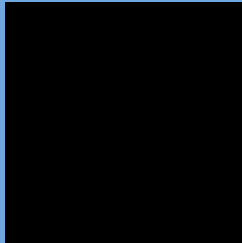
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

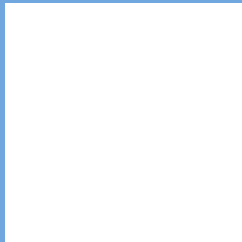
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 33.971, 265.399

Background



This preview shows how black text looks on a background with the CIELCh color 67, 33.971, 265.399.

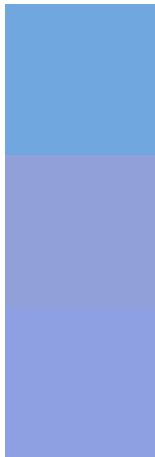


This preview shows how white text looks on a background with the CIELCh color 67, 33.971, 265.399.

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, 33.971, 265.399

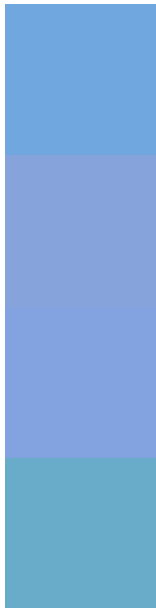
Protanopia
67, 32.231, 285.517

Deuteranopia
67, 36.152, 284.994



Tritanopia
67, 23.797, 216.841

Trichromacy



Original Color
67, 33.971, 265.399

Protanomaly
67, 32.355, 277.370

Deuteranomaly
67, 34.628, 277.402

Tritanomaly
67, 25.259, 237.848

Monochromacy



Original Color
67, 33.971, 265.399

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 12.931, 258.618

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 33.971, 265.399 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(112, 167, 223)` looks like.

```
.text, #text, p{  
    color:rgb(112, 167, 223)  
}
```

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(112, 167, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 167, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 33.971, 265.399 is called "border". The border property can be set on classes, ids or directly on the HTML element.

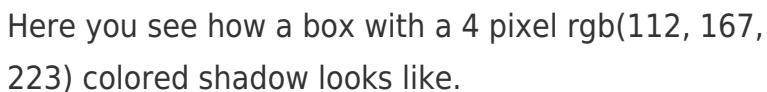
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(112, 167, 223) }
```

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

```
.border{ border-color:rgb(112, 167, 223) }
```

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



Here you see how a box with a 4 pixel `rgb(112, 167, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 167, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 167, 223); box-shadow:4px 4px 4px 4px rgb(112, 167, 223) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 33.971, 265.399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 167, 223) }
```

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

```
.background{ background-color: rgb(112,  
167, 223) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor