

Converting Colors

CIELCh(68, 35.921, 266.588)

Have a look what the booklet for
CIELCh(68, 35.921, 266.588)
contains.

CIELCh(68, 35.946, 266.648)	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(68, 35.946, 266.648)

Conversions

Conversions Part 1

Format	Color
Hex	71AAE6
RGB	113, 170, 230
RGB Percent	44%, 67%, 90%
CMY	0.5569, 0.3333, 0.0980
CMYK	0.51, 0.26, 0.00, 0.10
HSL	211°, 70%, 67%
HSV	211°, 51%, 90%
XYZ	35.4664, 37.9720, 80.3215
YIQ	159.7970, -53.2320, 6.5760

Conversions

Conversions Part 2

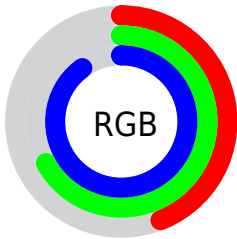
Format	Color
RYB	113, 151, 230
Decimal	7449318
CIELab	68.00, -2.10, -35.88
CIElCh	68, 35.946, 266.648
Yxy	37.9720, 0.2307, 0.2470
Android (android.graphics.Color)	4285639398 (0xFF71AAE6)
YUV	159.7970, 34.6101, -41.0410
Hunter-Lab	61.6215, -5.1014, -34.1475

Details

The CIELCh color **68, 35.946, 266.648** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **75, 41.183, 70.274**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 22.802, 242.431**, and **48, 35.885, 266.728** is the 20% darker color. If you saturate the color by 10%, you get **64, 42.711, 269.780**, and if you desaturate by 10%, it is **72, 29.080, 263.986**.

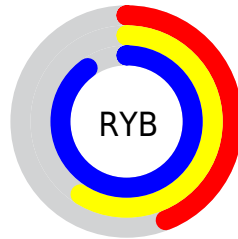
Distribution



Red (44%)

Green (67%)

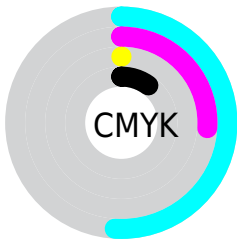
Blue (90%)



Red (44%)

Yellow (59%)

Blue (90%)

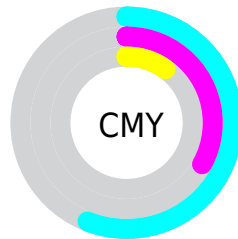


Cyan (51%)

Magenta (26%)

Yellow (0%)

Black (10%)



Cyan (56%)

Magenta (33%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 35.946, 266.648 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 68, 35.946, 266.648 by changing the saturation by 10% instead.

■ 68, 35.946,
266.648

■ 68, 35.946,
266.648

■ 100, 35.946,
266.648

■ 58, 35.946,
266.648

■ 88, 35.946,
266.648

■ 48, 35.946,
266.648

■ 98, 35.946,
266.648

■ 38, 35.946,
266.648

■ 28, 35.946,
266.648

■ 18, 35.946,
266.648

■ 8, 35.946, 266.648

■ 0, 35.946, 266.648

68, 35.946,
266.648

68, 35.946,
266.648

64, 42.711,
269.780

72, 29.080,
263.986

60, 49.424,
273.403

77, 22.103,
261.743

56, 56.166,
277.482

82, 15.022,
259.862

52, 63.038,
281.900

86, 7.858, 258.295

49, 69.514,
285.976

91, 0.638, 257.523

96, 6.614, 75.695

99, 11.467,
104.889

99, 12.653,
109.221

Harmonies

Complementary

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



68, 35.946, 266.648



75, 41.183, 70.274

Rectangle

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



68, 35.946, 266.648



68, 35.946, 316.648



68, 35.946, 86.648



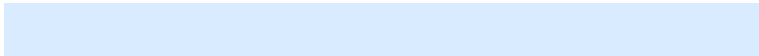
68, 35.946, 136.648

Sweetspot

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



68, 35.945, 266.648



92, 11.770, 258.919



83, 49.984, 158.219



48, 8.023, 259.253



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 35.945, 266.648



70, 46.524, 269.942



53, 67.352, 297.710



46, 4.101, 258.099



38, 56.550, 285.185



8, 20.223, 276.632

Inverse Universe

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



63, 52.441, 349.994



64, 66.703, 351.839



89, 58.363, 105.348



45, 5.803, 345.103



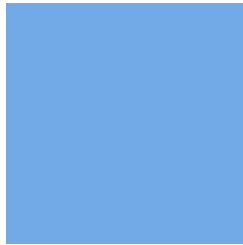
38, 64.741, 3.101



7, 27.490, 355.910

Previews

White Background



This preview shows how the CIELCh color 68, 35.946, 266.648 looks on a white background.

Color Contrast Check

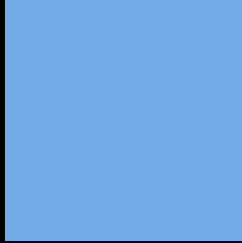
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 68, 35.946, 266.648 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

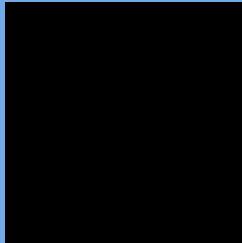
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

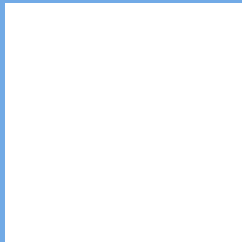
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 35.946, 266.648

Background



This preview shows how black text looks on a background with the CIELCh color 68, 35.946, 266.648.



This preview shows how white text looks on a background with the CIELCh color 68, 35.946, 266.648.

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
68, 35.946, 266.648

Protanopia
68, 33.813, 285.025

Deuteranopia
68, 38.292, 284.421



Tritanopia
68, 24.737, 215.979

Trichromacy



Original Color
68, 35.946, 266.648

Protanomaly
68, 33.945, 277.383

Deuteranomaly
68, 36.784, 277.378

Tritanomaly
68, 26.180, 239.261

Monochromacy



Original Color
68, 35.946, 266.648

Achromatopsia
66, 0.008, 296.813

Achromatomaly
66, 13.518, 258.727

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 35.946, 266.648 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(113, 170, 230)` looks like.

```
.text, #text, p{  
    color:rgb(113, 170, 230)  
}
```

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(113, 170, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 170, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 35.946, 266.648 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(113, 170, 230) }
```

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

```
.border{ border-color:rgb(113, 170, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 170, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 170, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 170, 230);  
box-shadow:4px 4px 4px 4px rgb(113, 170,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 35.946, 266.648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 170, 230) }
```

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

```
.background{ background-color: rgb(113,  
170, 230) }
```

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