

Converting Colors

CIELCh(68, 30.215, 261.204)

Have a look what the booklet for
CIELCh(68, 30.215, 261.204)
contains.

CIELCh(68, 30.060, 261.041)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(68, 30.060, 261.041)

Conversions

Conversions Part 1

Format	Color
Hex	76ABDB
RGB	118, 171, 219
RGB Percent	46%, 67%, 86%
CMY	0.5382, 0.3303, 0.1422
CMYK	0.46, 0.22, 0.00, 0.14
HSL	209°, 58%, 66%
HSV	209°, 46%, 86%
XYZ	34.7094, 37.9720, 72.3456
YIQ	160.6250, -46.9960, 3.6920

Conversions

Conversions Part 2

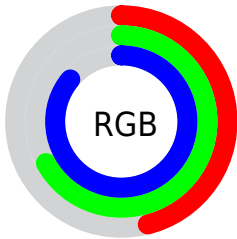
Format	Color
RYB	118, 153, 219
Decimal	7777243
CIELab	68.00, -4.68, -29.69
CIELCh	68, 30.060, 261.041
Yxy	37.9720, 0.2393, 0.2618
Android (android.graphics.Color)	4285967323 (0xFF76ABDB)
YUV	160.6250, 28.7789, -37.3821
Hunter-Lab	61.6215, -7.2941, -26.4734

Details

The CIELCh color **68, 30.060, 261.041** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **72, 35.131, 67.120**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 21.865, 242.846**, and **48, 30.156, 260.985** is the 20% darker color. If you saturate the color by 10%, you get **64, 36.116, 263.934**, and if you desaturate by 10%, it is **72, 23.820, 258.612**.

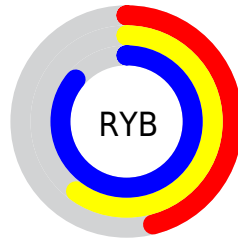
Distribution



Red (46%)

Green (67%)

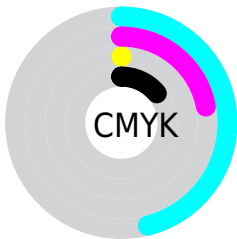
Blue (86%)



Red (46%)

Yellow (60%)

Blue (86%)

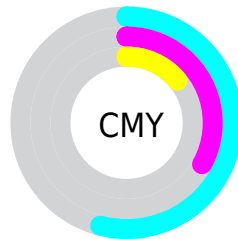


Cyan (46%)

Magenta (22%)

Yellow (0%)

Black (14%)



Cyan (54%)

Magenta (33%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 30.060, 261.041 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, 30.060, 261.041 by changing the saturation by 10% instead.

■ 68, 30.060,
261.041

■ 68, 30.060,
261.041

■ 100, 30.060,
261.041

■ 58, 30.060,
261.041

■ 88, 30.060,
261.041

■ 48, 30.060,
261.041

■ 98, 30.060,
261.041

■ 38, 30.060,
261.041

■ 28, 30.060,
261.041

■ 18, 30.060,
261.041

■ 8, 30.060, 261.041

■ 0, 30.060, 261.041

68, 30.060,
261.041

68, 30.060,
261.041

64, 36.116,
263.934

72, 23.820,
258.612

60, 42.011,
267.339

76, 17.409,
256.585

57, 47.802,
271.264

80, 10.848,
254.901

53, 53.590,
275.650

85, 4.170, 253.539

89, 2.592, 72.080

50, 59.497,
280.334

93, 9.409, 71.179

49, 61.834,
282.077

96, 13.313, 90.636

99, 17.797,
107.542

99, 18.328,

Harmonies

Complementary

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



68, 30.060, 261.041



72, 35.131, 67.120

Rectangle

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



68, 30.060, 261.041



68, 30.060, 311.041



68, 30.060, 81.041



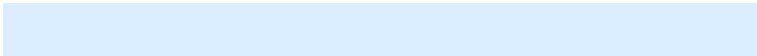
68, 30.060, 131.041

Sweetspot

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



68, 30.059, 261.040



93, 10.655, 254.595



80, 45.205, 157.217



49, 7.343, 254.921



0, 0.000, 0.000



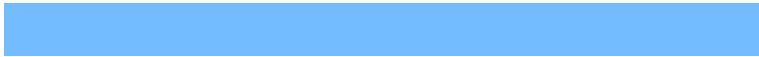
53, 0.007, 296.813

Same Dimension

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



68, 30.059, 261.040



74, 40.084, 263.717



55, 56.004, 295.510



44, 3.836, 253.943



39, 51.211, 281.283



8, 17.418, 271.141

Inverse Universe

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



62, 46.935, 346.992



67, 62.279, 348.351



85, 49.795, 104.244



43, 5.733, 343.063



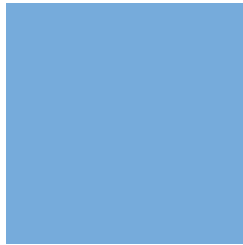
37, 63.815, 359.454



6, 25.336, 352.749

Previews

White Background



This preview shows how the CIE LCh color 68, 30.060, 261.041 looks on a white background.

Color Contrast Check

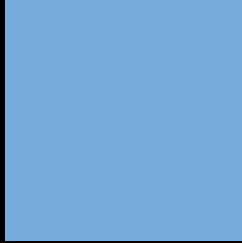
Large Text (above 18pt) WCAG AA × Fail

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, 30.060, 261.041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

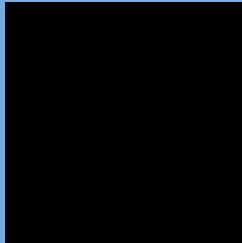
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 30.060, 261.041

Background



This preview shows how black text looks on a background with the CIELCh color 68, 30.060, 261.041.

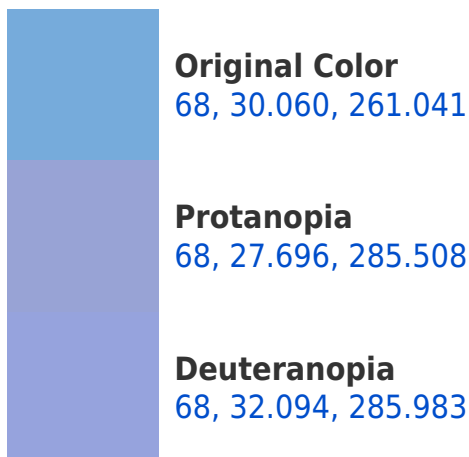


This preview shows how white text looks on a background with the CIELCh color 68, 30.060, 261.041.

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



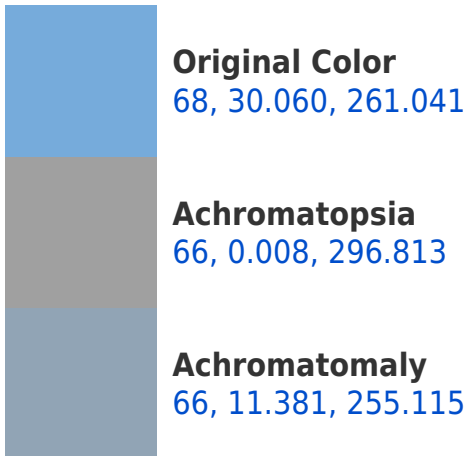


Tritanopia
68, 22.364, 218.181

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 30.060, 261.041 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(118, 171, 219)` looks like.

```
.text, #text, p{  
    color:rgb(118, 171, 219)  
}
```

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(118, 171, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 171, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 30.060, 261.041 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(118, 171, 219) }
```

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

```
.border{ border-color:rgb(118, 171, 219) }
```

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

Here you see how a box with a 4 pixel rgb(118, 171, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 171, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 171, 219);  
box-shadow:4px 4px 4px 4px rgb(118, 171,  
219) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 30.060, 261.041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 171, 219) }
```

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

```
.background{ background-color: rgb(118,  
171, 219) }
```

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