

Converting Colors

CIELCh(68, 37.105, 264.976)

Have a look what the booklet for
CIELCh(68, 37.105, 264.976)
contains.

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Color

CIELCh(68, 37.035, 264.780)

Conversions

Conversions Part 1

Format	Color
Hex	6BABE8
RGB	107, 171, 232
RGB Percent	42%, 67%, 91%
CMY	0.5813, 0.3302, 0.0911
CMYK	0.54, 0.26, 0.00, 0.09
HSL	209°, 73%, 66%
HSV	209°, 54%, 91%
XYZ	35.0930, 37.9720, 81.6581
YIQ	158.8180, -57.7250, 5.4030

Conversions

Conversions Part 2

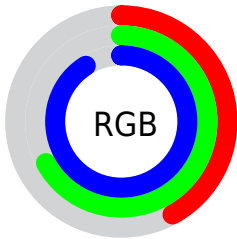
Format	Color
RYB	107, 149, 232
Decimal	7056360
CIELab	68.00, -3.37, -36.88
CIELCh	68, 37.035, 264.780
Yxy	37.9720, 0.2268, 0.2454
Android (android.graphics.Color)	4285246440 (0xFF6BABE8)
YUV	158.8180, 36.0787, -45.4444
Hunter-Lab	61.6215, -6.1829, -35.4336

Details

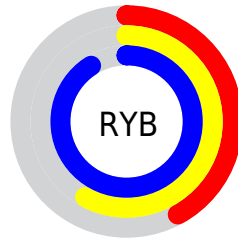
The CIELCh color **68, 37.035, 264.780** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **74, 43.947, 67.415**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 23.739, 238.507**, and **48, 37.019, 264.785** is the 20% darker color. If you saturate the color by 10%, you get **64, 43.434, 268.085**, and if you desaturate by 10%, it is **72, 30.486, 261.974**.

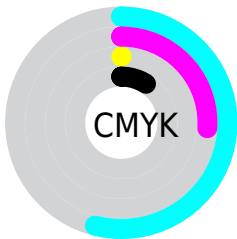
Distribution



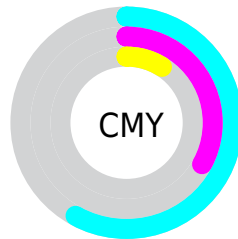
- Red (42%)
- Green (67%)
- Blue (91%)



- Red (42%)
- Yellow (58%)
- Blue (91%)



- Cyan (54%)
- Magenta (26%)
- Yellow (0%)
- Black (9%)



- Cyan (58%)
- Magenta (33%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 37.035, 264.780 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, 37.035, 264.780 by changing the saturation by 10% instead.


 68, 37.035,
264.780


 68, 37.035,
264.780


 100, 37.035,
264.780


 58, 37.035,
264.780


 88, 37.035,
264.780

 48, 37.035,
264.780

 98, 37.035,
264.780

 38, 37.035,
264.780

 28, 37.035,
264.780

 18, 37.035,
264.780

 8, 37.035, 264.780

 0, 37.035, 264.780

68, 37.035,
264.780

68, 37.035,
264.780

64, 43.434,
268.085

72, 30.486,
261.974

60, 49.742,
271.904

77, 23.775,
259.617

56, 56.053,
276.187

81, 16.909,
257.648

53, 62.486,
280.791

86, 9.913, 256.010

90, 2.818, 254.725

51, 66.511,
283.569

95, 4.344, 73.303

98, 9.394, 98.250

99, 11.753,
109.289

Harmonies

Complementary

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



68, 37.035, 264.780



74, 43.947, 67.415

Rectangle

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



68, 37.035, 264.780



68, 37.035, 314.780



68, 37.035, 84.780



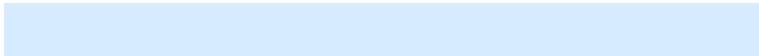
68, 37.035, 134.780

Sweetspot

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



68, 37.034, 264.780



92, 12.283, 256.336



84, 53.754, 156.924



48, 8.281, 256.663



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, 37.034, 264.780



69, 47.645, 268.592



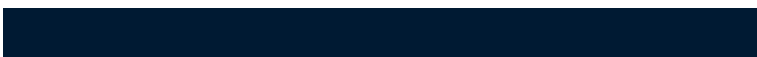
52, 70.990, 297.784



46, 4.020, 255.377



39, 53.797, 282.727



9, 19.372, 273.930

Inverse Universe

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



62, 56.325, 348.923



63, 70.857, 350.964



89, 61.026, 104.313



45, 5.901, 343.743



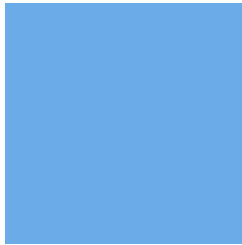
38, 65.002, 0.737



7, 27.735, 354.018

Previews

White Background



This preview shows how the CIE LCh color 68, 37.035, 264.780 looks on a white background.

Color Contrast Check

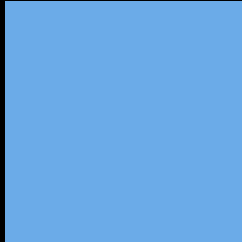
Large Text (above 18pt) WCAG AA × Fail

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 68, 37.035, 264.780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

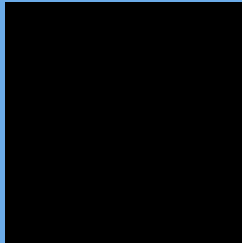
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

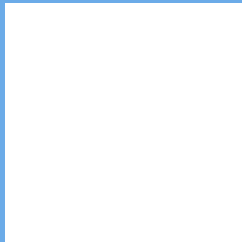
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 37.035, 264.780

Background



This preview shows how black text looks on a background with the CIELCh color 68, 37.035, 264.780.

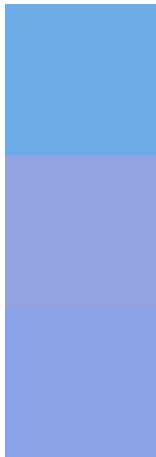


This preview shows how white text looks on a background with the CIELCh color 68, 37.035, 264.780.

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, 37.035, 264.780

Protanopia
68, 34.352, 285.235

Deuteranopia
68, 38.904, 283.806



Tritanopia
68, 26.731, 214.419

Trichromacy



Original Color
68, 37.035, 264.780

Protanomaly
68, 34.661, 276.394

Deuteranomaly
68, 38.002, 276.870

Tritanomaly
68, 27.783, 236.294

Monochromacy



Original Color
68, 37.035, 264.780

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 14.321, 257.772

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 37.035, 264.780 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(107, 171, 232)` looks like.

```
.text, #text, p{  
    color:rgb(107, 171, 232)  
}
```

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(107, 171, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 171, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 37.035, 264.780 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(107, 171, 232) }
```

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

```
.border{ border-color:rgb(107, 171, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 171, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 171, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 171, 232);  
box-shadow:4px 4px 4px 4px rgb(107, 171,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 37.035, 264.780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 171, 232) }
```

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

```
.background{ background-color: rgb(107,  
171, 232) }
```

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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