

Converting Colors

CIELCh(70, 46.529, 268.279)

Have a look what the booklet for
CIELCh(70, 46.529, 268.279)
contains.

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Color

CIELCh(70, 46.558, 268.241)

Conversions

Conversions Part 1

Format	Color
Hex	5EB0FF
RGB	94, 176, 255
RGB Percent	37%, 69%, 100%
CMY	0.6304, 0.3091, 0.0000
CMYK	0.63, 0.31, 0.00, 0.00
HSL	209°, 100%, 68%
HSV	209°, 63%, 100%
XYZ	38.2849, 40.7494, 100.6275
YIQ	160.4880, -74.2310, 7.1850

Conversions

Conversions Part 2

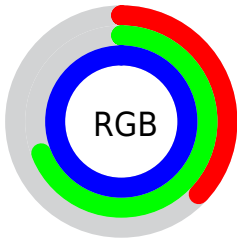
Format	Color
R _Y B	94, 148, 255
Decimal	6205695
CIE Lab	70.00, -1.43, -46.54
CIE LCh	70, 46.558, 268.241
Yxy	40.7494, 0.2131, 0.2268
Android (android.graphics.Color)	4284395775 (0xFF5EB0FF)
YUV	160.4880, 46.5944, -58.3100
Hunter-Lab	63.8353, -4.6573, -48.7778

Details

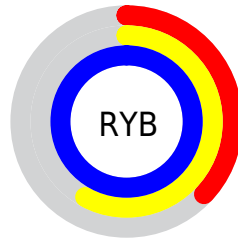
The CIELCh color **70, 46.558, 268.241** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **77, 56.562, 66.420**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 25.396, 227.963**, and **50, 46.380, 268.822** is the 20% darker color. If you saturate the color by 10%, you get **66, 53.326, 271.965**, and if you desaturate by 10%, it is **74, 39.501, 264.866**.

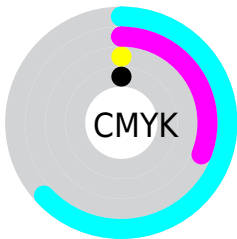
Distribution



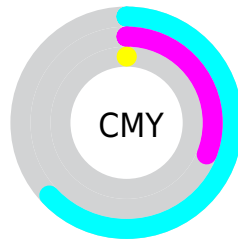
- Red (37%)
- Green (69%)
- Blue (100%)



- Red (37%)
- Yellow (58%)
- Blue (100%)



- Cyan (63%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)





- Cyan (63%)
- Magenta (31%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 46.558, 268.241 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 70, 46.558, 268.241 by changing the saturation by 10% instead.


 70, 46.558,
268.241


 70, 46.558,
268.241


 100, 46.558,
268.241


 60, 46.558,
268.241


 90, 46.558,
268.241

 50, 46.558,
268.241

 40, 46.558,
268.241

 30, 46.558,
268.241

 20, 46.558,
268.241

 10, 46.558,
268.241

 0, 46.558, 268.241

70, 46.558,
268.241

70, 46.558,
268.241

66, 53.326,
271.965

74, 39.501,
264.866

62, 60.194,
276.243

79, 32.383,
262.075

58, 67.193,
280.851

84, 25.091,
259.733

55, 72.214,
284.065

89, 17.639,
257.778

94, 10.051,
256.153

98, 2.363, 254.918

100, 0.012,
296.813

Harmonies

Complementary

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



70, 46.558, 268.241



77, 56.562, 66.420

Rectangle

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



70, 46.558, 268.241



70, 46.558, 318.241



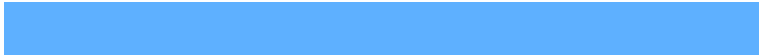
70, 46.558, 88.241



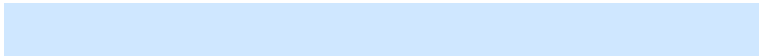
70, 46.558, 138.241

Sweetspot

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



70, 46.463, 268.157



91, 14.585, 257.083



90, 66.334, 155.433



47, 10.018, 257.569



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 46.463, 268.157



64, 55.351, 273.185



50, 91.140, 299.903



51, 4.391, 255.654



42, 57.175, 283.213



12, 23.318, 276.581

Inverse Universe

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



64, 69.163, 350.734



59, 78.327, 353.658



97, 75.283, 103.541



50, 6.425, 343.880



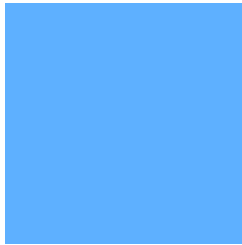
41, 68.361, 1.186



10, 31.964, 355.739

Previews

White Background



This preview shows how the CIE LCh color 70, 46.558, 268.241 looks on a white background.

Color Contrast Check

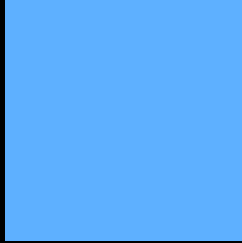
Large Text (above 18pt) WCAG AA × Fail

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 70, 46.558, 268.241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

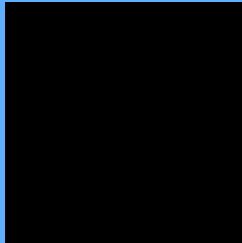
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

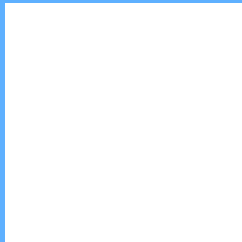
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 46.558, 268.241

Background



This preview shows how black text looks on a background with the CIELCh color 70, 46.558, 268.241.



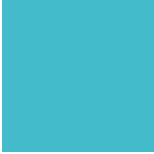
This preview shows how white text looks on a background with the CIELCh color 70, 46.558, 268.241.

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
70, 33.118, 211.583

Trichromacy



Original Color
70, 46.558, 268.241

Protanomaly
70, 45.374, 278.938

Deuteranomaly
70, 46.856, 276.596

Tritanomaly
70, 33.816, 236.118

Monochromacy



Original Color
70, 46.558, 268.241

Achromatopsia
66, 0.008, 296.813

Achromatomaly
67, 18.094, 258.103

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 46.558, 268.241 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(94, 176, 255)` looks like.

```
.text, #text, p{  
    color:rgb(94, 176, 255)  
}
```

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(94, 176, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 176, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 46.558, 268.241 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(94, 176, 255) }
```

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

```
.border{ border-color:rgb(94, 176, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 176, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 176, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 176, 255);  
box-shadow:4px 4px 4px 4px rgb(94, 176,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 46.558, 268.241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 176, 255) }
```

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

```
.background{ background-color: rgb(94, 176,  
255) }
```

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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