

Converting Colors

CIELCh(70, 45.837, 267.321)

Have a look what the booklet for
CIELCh(70, 45.837, 267.321)
contains.

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Color

CIELCh(70, 46.099, 267.822)

Conversions

Conversions Part 1

Format	Color
Hex	5EB0FE
RGB	94, 176, 254
RGB Percent	37%, 69%, 100%
CMY	0.6298, 0.3086, 0.0026
CMYK	0.63, 0.31, 0.00, 0.00
HSL	209°, 99%, 68%
HSV	209°, 63%, 100%
XYZ	38.1845, 40.7494, 99.9004
YIQ	160.3740, -73.9100, 6.8740

Conversions

Conversions Part 2

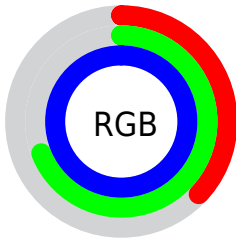
Format	Color
R _Y B	94, 148, 254
Decimal	6205694
CIE Lab	70.00, -1.75, -46.07
CIE LCh	70, 46.099, 267.822
Yxy	40.7494, 0.2135, 0.2279
Android (android.graphics.Color)	4284395774 (0xFF5EB0FE)
YUV	160.3740, 46.1576, -58.2100
Hunter-Lab	63.8353, -4.9378, -48.1025

Details

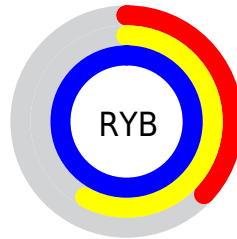
The CIELCh color **70, 46.099, 267.822** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **77, 56.275, 66.211**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 25.396, 227.963**, and **50, 45.905, 268.322** is the 20% darker color. If you saturate the color by 10%, you get **66, 52.902, 271.625**, and if you desaturate by 10%, it is **74, 39.188, 264.540**.

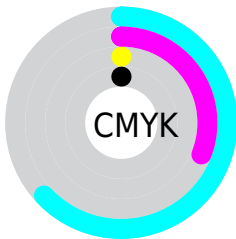
Distribution



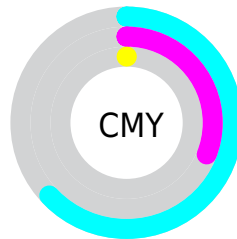
- Red (37%)
- Green (69%)
- Blue (100%)



- 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, 46.099, 267.822 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, 46.099, 267.822 by changing the saturation by 10% instead.


 70, 46.099,
267.822


 70, 46.099,
267.822


 100, 46.099,
267.822


 60, 46.099,
267.822


 90, 46.099,
267.822

 50, 46.099,
267.822

 40, 46.099,
267.822

 30, 46.099,
267.822

 20, 46.099,
267.822

 10, 46.099,
267.822

 0, 46.099, 267.822

■ 70, 46.099,
267.822

■ 70, 46.099,
267.822

■ 66, 52.902,
271.625

■ 74, 39.188,
264.540

■ 62, 59.702,
275.903

■ 79, 32.115,
261.757

■ 58, 66.626,
280.518

■ 84, 24.863,
259.424

■ 55, 71.706,
283.815

■ 89, 17.447,
257.477

■ 93, 9.892, 255.861

■ 98, 2.234, 254.643

■ 100, 0.325,
109.916

Harmonies

Complementary

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



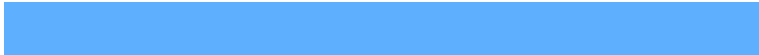
70, 46.099, 267.822



77, 56.275, 66.211

Rectangle

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



70, 46.099, 267.822



70, 46.099, 317.822



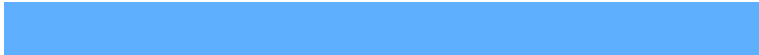
70, 46.099, 87.822



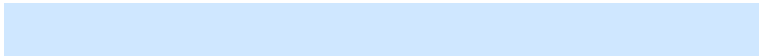
70, 46.099, 137.822

Sweetspot

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



70, 46.098, 267.823



91, 14.555, 256.812



90, 66.060, 155.460



47, 9.997, 257.297



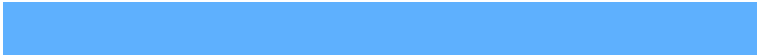
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 46.098, 267.823



65, 54.449, 272.497



50, 90.702, 299.866



51, 4.383, 255.385



42, 56.896, 282.966



12, 23.216, 276.316

Inverse Universe

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



64, 68.965, 350.542



59, 77.834, 353.223



97, 74.976, 103.553



50, 6.435, 343.750



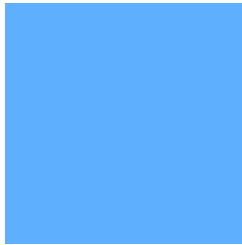
41, 68.392, 0.957



10, 31.989, 355.548

Previews

White Background



This preview shows how the CIELCh color 70, 46.099, 267.822 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, 46.099, 267.822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

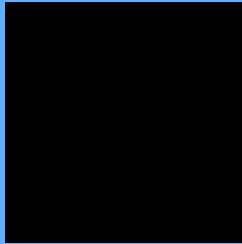
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

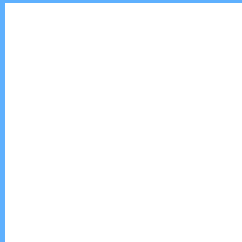
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 46.099, 267.822

Background



This preview shows how black text looks on a background with the CIELCh color 70, 46.099, 267.822.

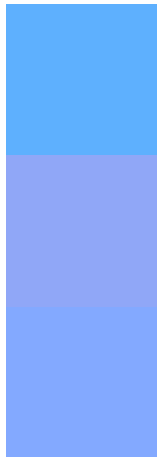


This preview shows how white text looks on a background with the CIELCh color 70, 46.099, 267.822.

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

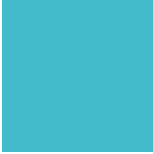
70, 46.099, 267.822

Protanopia

70, 44.064, 285.667

Deuteranopia

70, 47.714, 282.009



Tritanopia
70, 32.969, 211.660

Trichromacy



Original Color
70, 46.099, 267.822

Protanomaly
70, 44.861, 278.659

Deuteranomaly
70, 46.856, 276.596

Tritanomaly
70, 33.687, 236.300

Monochromacy



Original Color
70, 46.099, 267.822

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, 46.099, 267.822 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, 254)` looks like.

```
.text, #text, p{  
    color:rgb(94, 176, 254)  
}
```

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, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 176, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 46.099, 267.822 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, 254) }
```

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

```
.border{ border-color:rgb(94, 176, 254) }
```

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, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 176, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 176, 254);  
box-shadow:4px 4px 4px 4px rgb(94, 176,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 46.099, 267.822 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, 254) }
```

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

```
.background{ background-color: rgb(94, 176,  
254) }
```

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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