

Converting Colors

CIELCh(70, 45.934, 272.452)

Have a look what the booklet for
CIELCh(70, 45.934, 272.452)
contains.

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Color

CIELCh(70, 45.969, 272.645)

Conversions

Conversions Part 1

Format	Color
Hex	6DAEFE
RGB	109, 174, 254
RGB Percent	43%, 68%, 100%
CMY	0.5719, 0.3171, 0.0034
CMYK	0.57, 0.31, 0.00, 0.00
HSL	213°, 99%, 71%
HSV	213°, 57%, 100%
XYZ	39.3999, 40.7494, 99.6759
YIQ	163.6850, -64.4200, 11.1000

Conversions

Conversions Part 2

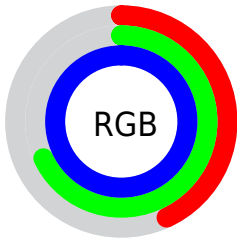
Format	Color
R _Y B	109, 154, 254
Decimal	7188222
CIE Lab	70.00, 2.12, -45.92
CIE LCh	70, 45.969, 272.645
Yxy	40.7494, 0.2191, 0.2266
Android (android.graphics.Color)	4285378302 (0xFF6DAEFE)
YUV	163.6850, 44.5253, -47.9587
Hunter-Lab	63.8353, -1.5395, -47.8940

Details

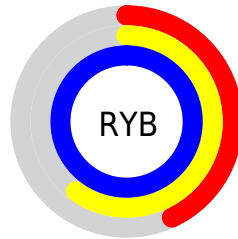
The CIELCh color **70, 45.969, 272.645** is a light color, and the websafe version is hex **3399FF**. A complement of this color would be **81, 51.269, 73.129**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 22.691, 235.451**, and **50, 46.029, 272.702** is the 20% darker color. If you saturate the color by 10%, you get **65, 53.968, 276.050**, and if you desaturate by 10%, it is **75, 37.984, 269.703**.

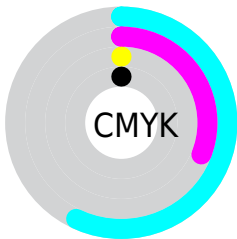
Distribution



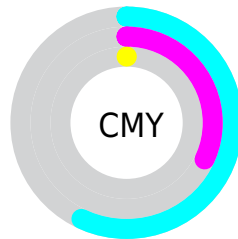
- Red (43%)
- Green (68%)
- Blue (100%)



- Red (43%)
- Yellow (60%)
- Blue (100%)



- Cyan (57%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)





- Cyan (57%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 45.969, 272.645 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, 45.969, 272.645 by changing the saturation by 10% instead.


 70, 45.969,
272.645


 70, 45.969,
272.645


 100, 45.969,
272.645


 60, 45.969,
272.645


 90, 45.969,
272.645

 50, 45.969,
272.645

 40, 45.969,
272.645

 30, 45.969,
272.645

 20, 45.969,
272.645

 10, 45.969,
272.645

 0, 45.969, 272.645

70, 45.969,
272.645

70, 45.969,
272.645

65, 53.968,
276.050

75, 37.984,
269.703

60, 62.059,
279.894

80, 29.974,
267.198

56, 70.328,
284.079

85, 21.922,
265.080

52, 78.832,
288.407

91, 13.834,
263.296

51, 81.395,
289.627

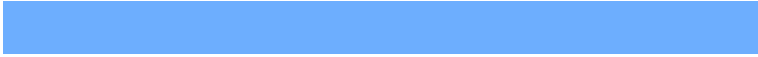
96, 5.726, 261.817

100, 0.422,
109.963

Harmonies

Complementary

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



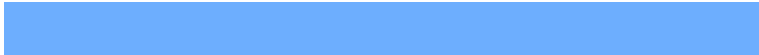
70, 45.969, 272.645



81, 51.269, 73.129

Rectangle

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



70, 45.969, 272.645



70, 45.969, 322.645



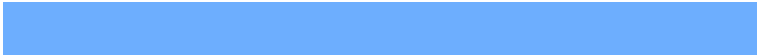
70, 45.969, 92.645



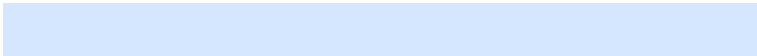
70, 45.969, 142.645

Sweetspot

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



70, 45.968, 272.646



91, 13.833, 263.289



91, 57.284, 159.925



47, 9.251, 263.623



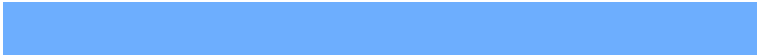
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 45.968, 272.646



65, 54.882, 276.403



54, 82.810, 300.166



50, 4.630, 262.150



39, 64.552, 288.858



11, 26.053, 282.729

Inverse Universe

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



66, 61.852, 353.696



61, 71.385, 356.135



97, 70.057, 107.232



50, 6.170, 347.335



41, 68.001, 7.118



10, 31.478, 0.739

Previews

White Background



This preview shows how the CIELCh color 70, 45.969, 272.645 looks on a white background.

Color Contrast Check

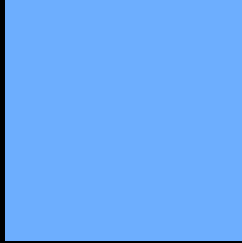
Large Text (above 18pt) WCAG AA × Fail

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, 45.969, 272.645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

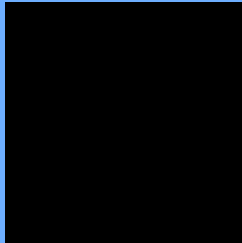
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

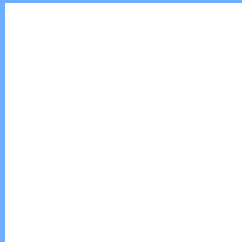
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 45.969, 272.645

Background



This preview shows how black text looks on a background with the CIELCh color 70, 45.969, 272.645.



This preview shows how white text looks on a background with the CIELCh color 70, 45.969, 272.645.

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](#).

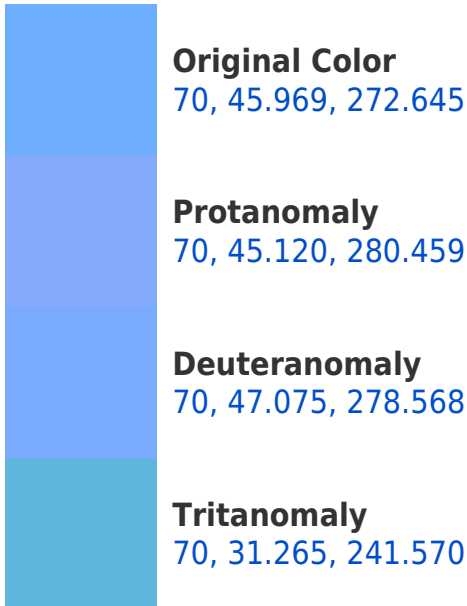
Dichromacy



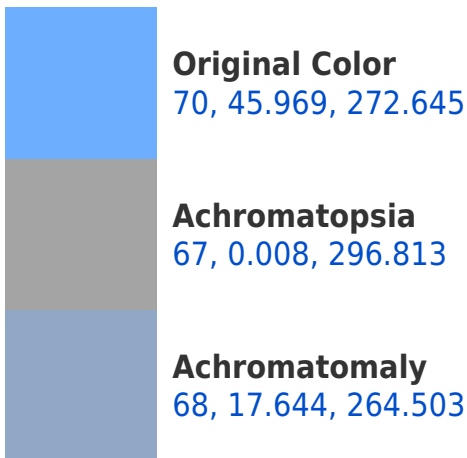


Tritanopia
70, 29.317, 213.785

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 45.969, 272.645 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(109, 174, 254)` looks like.

```
.text, #text, p{  
    color:rgb(109, 174, 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(109, 174, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 174, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 45.969, 272.645 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(109, 174, 254) }
```

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

```
.border{ border-color:rgb(109, 174, 254) }
```

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

Here you see how a box with a 4 pixel rgb(109, 174, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 174, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 174, 254);  
box-shadow:4px 4px 4px 4px rgb(109, 174,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 45.969, 272.645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 174, 254) }
```

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

```
.background{ background-color: rgb(109,  
174, 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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