

Converting Colors

CIELCh(70, 46.822, 271.238)

Have a look what the booklet for
CIELCh(70, 46.822, 271.238)
contains.

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Color

CIELCh(70, 46.392, 270.900)

Conversions

Conversions Part 1

Format	Color
Hex	67AFFF
RGB	103, 175, 255
RGB Percent	40%, 69%, 100%
CMY	0.5962, 0.3138, 0.0001
CMYK	0.60, 0.31, 0.00, 0.00
HSL	212°, 100%, 70%
HSV	212°, 60%, 100%
XYZ	38.9600, 40.7494, 100.3956
YIQ	162.5920, -68.5920, 9.6160

Conversions

Conversions Part 2

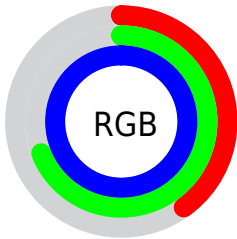
Format	Color
RYB	103, 152, 255
Decimal	6795263
CIELab	70.00, 0.73, -46.39
CIElCh	70, 46.392, 270.900
Yxy	40.7494, 0.2163, 0.2263
Android (android.graphics.Color)	4284985343 (0xFF67AFFF)
YUV	162.5920, 45.5571, -52.2622
Hunter-Lab	63.8353, -2.7696, -48.5624

Details

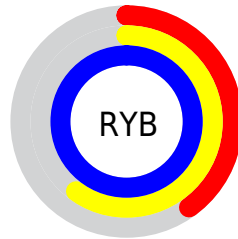
The CIELCh color **70, 46.392, 270.900** is a light color, and the websafe version is hex **3399FF**. A complement of this color would be **80, 53.510, 70.335**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 23.791, 231.838**, and **50, 46.443, 270.938** is the 20% darker color. If you saturate the color by 10%, you get **65, 53.943, 274.477**, and if you desaturate by 10%, it is **75, 38.809, 267.809**.

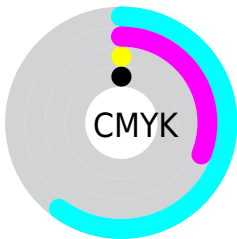
Distribution



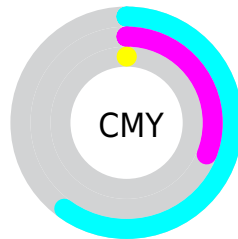
- Red (40%)
- Green (69%)
- Blue (100%)



- Red (40%)
- Yellow (60%)
- Blue (100%)



- Cyan (60%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)





- Cyan (60%)
- Magenta (31%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 46.392, 270.900 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, 46.392, 270.900 by changing the saturation by 10% instead.


 70, 46.392,
270.900

 70, 46.392,
270.900


 100, 46.392,
270.900

 60, 46.392,
270.900


 90, 46.392,
270.900

 50, 46.392,
270.900

 40, 46.392,
270.900

 30, 46.392,
270.900

 20, 46.392,
270.900

 10, 46.392,
270.900

 0, 46.392, 270.900

70, 46.392,
270.900

70, 46.392,
270.900

65, 53.943,
274.477

75, 38.809,
267.809

61, 61.550,
278.504

80, 31.149,
265.180

57, 69.315,
282.867

85, 23.395,
262.964

53, 77.327,
287.306

90, 15.554,
261.103

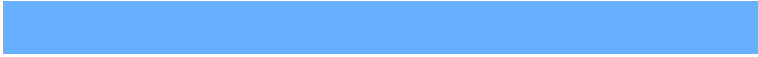
53, 77.644,
287.468

95, 7.648, 259.553
100, 0.003, 81.447

Harmonies

Complementary

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



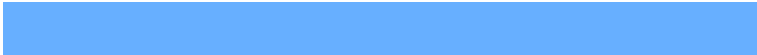
70, 46.392, 270.900



80, 53.510, 70.335

Rectangle

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



70, 46.392, 270.900



70, 46.392, 320.900



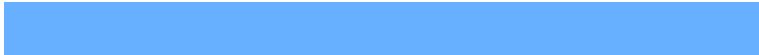
70, 46.392, 90.900



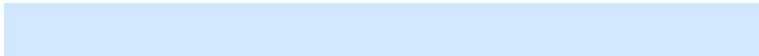
70, 46.392, 140.900

Sweetspot

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



70, 46.391, 270.901



91, 14.284, 260.832



91, 61.429, 157.706



47, 9.916, 261.326



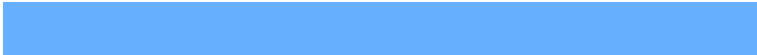
0, 0.000, 0.000



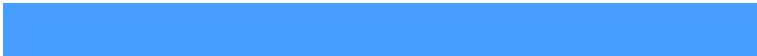
53, 0.007, 296.813

Same Dimension

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



70, 46.391, 270.901



64, 55.754, 275.400



52, 87.211, 299.997



50, 4.524, 259.538



40, 61.436, 286.659



11, 24.887, 280.317

Inverse Universe

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



65, 65.070, 352.472



60, 74.866, 355.279



97, 72.860, 105.427



50, 6.273, 345.868



41, 68.046, 4.639



10, 31.645, 358.635

Previews

White Background



This preview shows how the CIE LCh color 70, 46.392, 270.900 looks on a white background.

Color Contrast Check

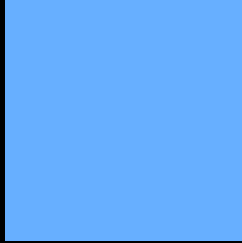
Large Text (above 18pt) WCAG AA × Fail

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, 46.392, 270.900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

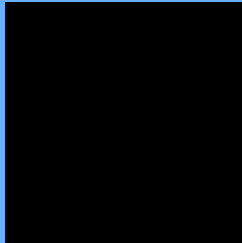
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

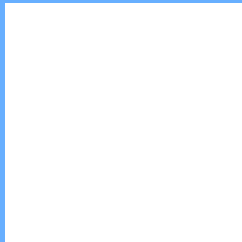
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 46.392, 270.900

Background



This preview shows how black text looks on a background with the CIELCh color 70, 46.392, 270.900.

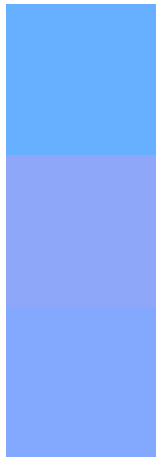


This preview shows how white text looks on a background with the CIELCh color 70, 46.392, 270.900.

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, 46.392, 270.900

Protanopia

70, 45.161, 285.680

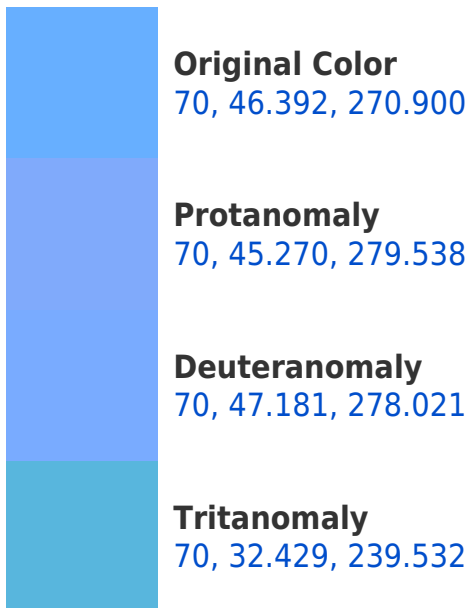
Deuteranopia

70, 47.714, 282.009

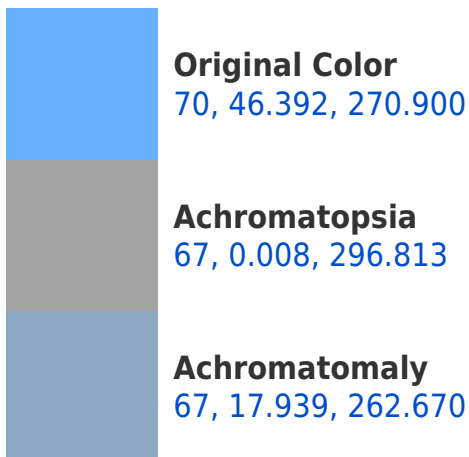


Tritanopia
70, 30.990, 212.753

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 46.392, 270.900 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(103, 175, 255)` looks like.

```
.text, #text, p{  
    color:rgb(103, 175, 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(103, 175, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 175, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 46.392, 270.900 is called "border". The border property can be set on classes, ids or directly on the HTML element.

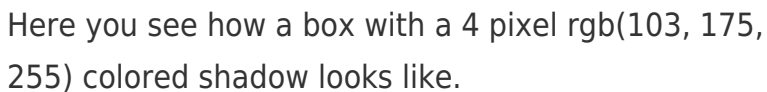
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(103, 175, 255) }
```

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

```
.border{ border-color:rgb(103, 175, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(103, 175, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 175, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 175, 255);  
box-shadow:4px 4px 4px 4px rgb(103, 175,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 46.392, 270.900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 175, 255) }
```

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

```
.background{ background-color: rgb(103,  
175, 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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