

Converting Colors

CIELCh(70, 42.969, 253.603)

Have a look what the booklet for
CIELCh(70, 42.969, 253.603)
contains.

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Color

CIELCh(70, 42.907, 253.652)

Conversions

Conversions Part 1

Format	Color
Hex	3EB5F5
RGB	62, 181, 245
RGB Percent	24%, 71%, 96%
CMY	0.7558, 0.2896, 0.0385
CMYK	0.75, 0.26, 0.00, 0.04
HSL	201°, 90%, 60%
HSV	201°, 75%, 96%
XYZ	35.0675, 40.7494, 92.5425
YIQ	152.7150, -91.4680, -5.3240

Conversions

Conversions Part 2

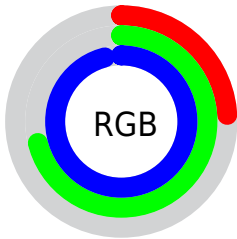
Format	Color
RYB	62, 134, 245
Decimal	4109813
CIELab	70.00, -12.08, -41.17
CIELCh	70, 42.907, 253.652
Yxy	40.7494, 0.2083, 0.2420
Android (android.graphics.Color)	4282299893 (0xFF3EB5F5)
YUV	152.7150, 45.4965, -79.5571
Hunter-Lab	63.8353, -13.6538, -41.2685

Details

The CIELCh color **70, 42.907, 253.652** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **66, 67.843, 52.639**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 31.358, 215.189**, and **51, 40.217, 259.672** is the 20% darker color. If you saturate the color by 10%, you get **67, 46.795, 258.058**, and if you desaturate by 10%, it is **73, 38.627, 249.908**.

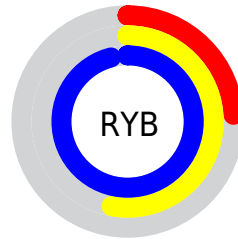
Distribution



Red (24%)

Green (71%)

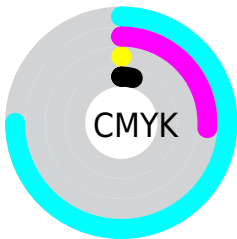
Blue (96%)



Red (24%)

Yellow (53%)

Blue (96%)

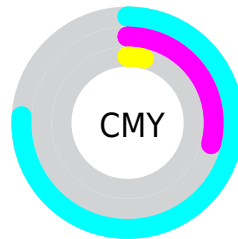


Cyan (75%)

Magenta (26%)

Yellow (0%)

Black (4%)



Cyan (76%)


Magenta (29%)


Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 42.907, 253.652 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, 42.907, 253.652 by changing the saturation by 10% instead.


 70, 42.907,
253.652


 70, 42.907,
253.652


 100, 42.907,
253.652


 60, 42.907,
253.652


 90, 42.907,
253.652

 50, 42.907,
253.652

 40, 42.907,
253.652

 30, 42.907,
253.652

 20, 42.907,
253.652

 10, 42.907,
253.652

 0, 42.907, 253.652

70, 42.907,
253.652

70, 42.907,
253.652

67, 46.795,
258.058

73, 38.627,
249.908

64, 50.465,
263.046

76, 33.862,
246.806

63, 52.465,
265.833

80, 28.587,
244.278

83, 22.826,
242.238

87, 16.634,
240.601

91, 10.081,
239.299

95, 3.236, 238.349

98, 2.967, 71.642

100, 4.971,
109.791

Harmonies

Complementary

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



70, 42.907, 253.652



66, 67.843, 52.639

Rectangle

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



70, 42.907, 253.652



70, 42.907, 303.652



70, 42.907, 73.652



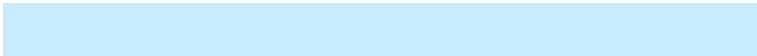
70, 42.907, 123.652

Sweetspot

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



70, 42.906, 253.653



91, 15.444, 240.239



86, 83.735, 146.864



48, 10.314, 240.625



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, 42.906, 253.653



68, 50.334, 260.783



46, 89.125, 297.197



49, 3.956, 238.753



49, 42.185, 264.867



14, 17.293, 256.834

Inverse Universe

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



58, 80.628, 343.886



57, 88.851, 346.843



86, 74.194, 93.609



48, 6.850, 337.029



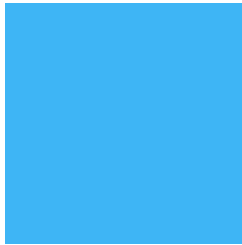
41, 70.724, 348.746



9, 32.319, 345.170

Previews

White Background



This preview shows how the CIE LCh color 70, 42.907, 253.652 looks on a white background.

Color Contrast Check

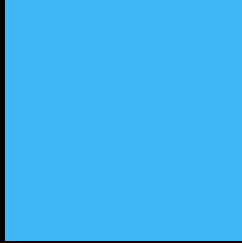
Large Text (above 18pt) WCAG AA × Fail

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, 42.907, 253.652 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

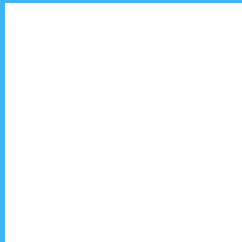
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 42.907, 253.652

Background



This preview shows how black text looks on a background with the CIELCh color 70, 42.907, 253.652.

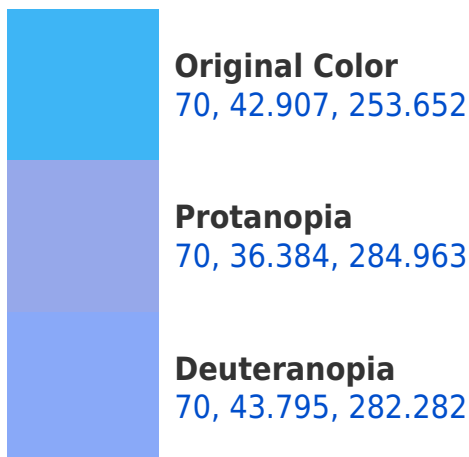


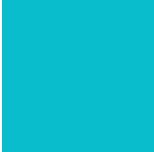
This preview shows how white text looks on a background with the CIELCh color 70, 42.907, 253.652.

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, 38.343, 209.212

Trichromacy



Original Color
70, 42.907, 253.652



Protanomaly
69, 38.050, 269.573



Deuteranomaly
69, 42.973, 270.956



Tritanomaly
70, 37.914, 225.979

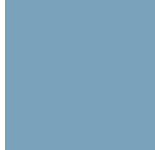
Monochromacy



Original Color
70, 42.907, 253.652



Achromatopsia
63, 0.008, 296.813



Achromatomaly
65, 19.008, 243.491

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 42.907, 253.652 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(62, 181, 245)` looks like.

```
.text, #text, p{  
    color:rgb(62, 181, 245)  
}
```

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(62, 181, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 181, 245) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 42.907, 253.652 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(62, 181, 245) }
```

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

```
.border{ border-color:rgb(62, 181, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 181, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 181, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 181, 245);  
box-shadow:4px 4px 4px 4px rgb(62, 181,  
245) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 42.907, 253.652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 181, 245) }
```

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

```
.background{ background-color: rgb(62, 181,  
245) }
```

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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