

Converting Colors

CIELCh(72, 42.435, 252.476)

Have a look what the booklet for
CIELCh(72, 42.435, 252.476)
contains.

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Color

CIELCh(72, 42.491, 252.649)

Conversions

Conversions Part 1

Format	Color
Hex	46BBFA
RGB	70, 187, 250
RGB Percent	27%, 73%, 98%
CMY	0.7264, 0.2673, 0.0203
CMYK	0.72, 0.25, 0.00, 0.02
HSL	201°, 95%, 63%
HSV	201°, 72%, 98%
XYZ	37.4751, 43.6590, 96.7572
YIQ	159.1990, -89.9550, -5.2110

Conversions

Conversions Part 2

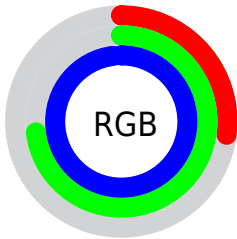
Format	Color
RYB	70, 141, 250
Decimal	4635642
CIELab	72.00, -12.67, -40.56
CIELCh	72, 42.491, 252.649
Yxy	43.6590, 0.2107, 0.2454
Android (android.graphics.Color)	4282825722 (0xFF46BBFA)
YUV	159.1990, 44.7649, -78.2275
Hunter-Lab	66.0750, -14.3932, -40.5691

Details

The CIELCh color **72, 42.491, 252.649** 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 **68, 66.182, 52.770**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 31.171, 209.188**, and **53, 40.134, 257.342** is the 20% darker color. If you saturate the color by 10%, you get **69, 46.520, 256.899**, and if you desaturate by 10%, it is **75, 38.031, 249.065**.

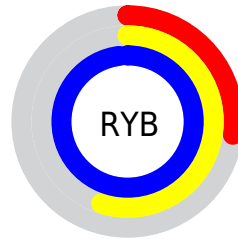
Distribution



Red (27%)

Green (73%)

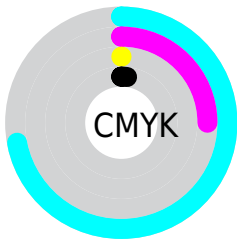
Blue (98%)



Red (27%)

Yellow (55%)

Blue (98%)

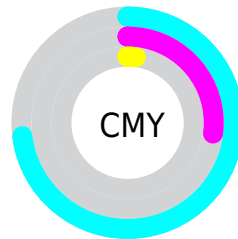


Cyan (72%)

Magenta (25%)

Yellow (0%)

Black (2%)



Cyan (73%)

Magenta (27%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 42.491, 252.649 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 72, 42.491, 252.649 by changing the saturation by 10% instead.


 72, 42.491,
252.649


 72, 42.491,
252.649


 100, 42.491,
252.649


 62, 42.491,
252.649


 92, 42.491,
252.649

 52, 42.491,
252.649

 42, 42.491,
252.649

 32, 42.491,
252.649

 22, 42.491,
252.649

 12, 42.491,
252.649

 2, 42.491, 252.649

0, 42.491, 252.649

72, 42.491,
252.649

72, 42.491,
252.649

69, 46.520,
256.899

75, 38.031,
249.065

66, 50.278,
261.764

79, 33.067,
246.110

64, 53.241,
265.869

82, 27.584,
243.710

86, 21.621,
241.776

90, 15.236,
240.228

93, 8.501, 239.003

■ 97, 1.487, 238.304

■ 100, 2.609,
109.954

Harmonies

Complementary

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



72, 42.491, 252.649



68, 66.182, 52.770

Rectangle

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



72, 42.491, 252.649



72, 42.491, 302.649



72, 42.491, 72.649



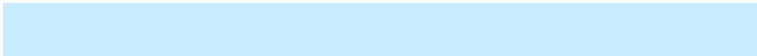
72, 42.491, 122.649

Sweetspot

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



72, 42.490, 252.649



91, 15.443, 240.221



88, 82.778, 147.309



48, 10.314, 240.607



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



72, 42.490, 252.649



69, 48.805, 258.789



49, 87.113, 296.487



50, 4.023, 238.739



49, 42.631, 264.900



15, 17.844, 257.267

Inverse Universe

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



60, 80.273, 343.492



58, 88.037, 345.979



88, 73.430, 93.900



49, 6.968, 337.025



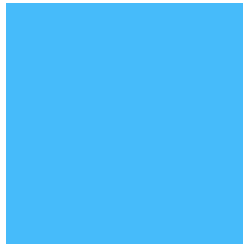
42, 71.436, 348.762



10, 33.174, 345.345

Previews

White Background



This preview shows how the CIE LCh color 72, 42.491, 252.649 looks on a white background.

Color Contrast Check

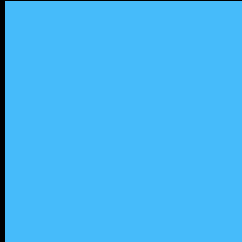
Large Text (above 18pt) WCAG AA × Fail

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 72, 42.491, 252.649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

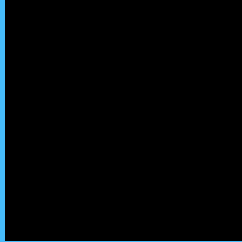
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

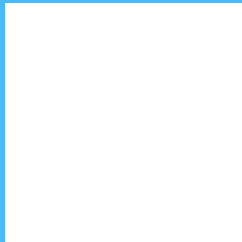
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 42.491, 252.649

Background



This preview shows how black text looks on a background with the CIELCh color 72, 42.491, 252.649.

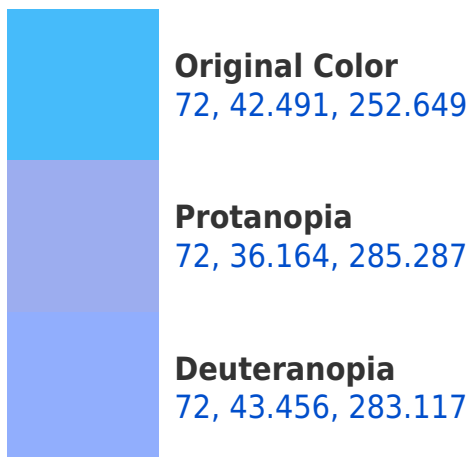


This preview shows how white text looks on a background with the CIELCh color 72, 42.491, 252.649.

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
72, 37.761, 210.300

Trichromacy



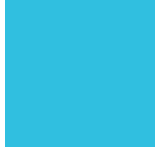
Original Color
72, 42.491, 252.649



Protanomaly
71, 37.744, 269.987



Deuteranomaly
72, 42.171, 270.741



Tritanomaly
72, 37.269, 226.430

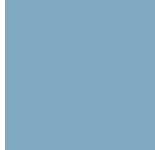
Monochromacy



Original Color
72, 42.491, 252.649



Achromatopsia
65, 0.008, 296.813



Achromatomaly
67, 18.402, 242.546

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 42.491, 252.649 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(70, 187, 250)` looks like.

```
.text, #text, p{  
    color:rgb(70, 187, 250)  
}
```

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(70, 187, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 187, 250) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 42.491, 252.649 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(70, 187, 250) }
```

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

```
.border{ border-color:rgb(70, 187, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 187, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 187, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 187, 250);  
box-shadow:4px 4px 4px 4px rgb(70, 187,  
250) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 42.491, 252.649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 187, 250) }
```

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

```
.background{ background-color: rgb(70, 187,  
250) }
```

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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