

Converting Colors

CIELCh(72, 34.166, 225.004)

Have a look what the booklet for
CIELCh(72, 34.166, 225.004)
contains.

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Color

CIELCh(72, 34.261, 225.113)

Conversions

Conversions Part 1

Format	Color
Hex	47BFDC
RGB	71, 191, 220
RGB Percent	28%, 75%, 86%
CMY	0.7226, 0.2518, 0.1381
CMYK	0.68, 0.13, 0.00, 0.14
HSL	192°, 68%, 57%
HSV	192°, 68%, 86%
XYZ	34.0563, 43.6590, 74.1983
YIQ	158.4260, -80.8290, -16.4210

Conversions

Conversions Part 2

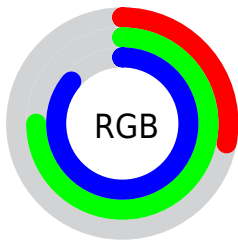
Format	Color
RYB	71, 137, 220
Decimal	4702172
CIELab	72.00, -24.18, -24.27
CIELCh	72, 34.261, 225.113
Yxy	43.6590, 0.2242, 0.2874
Android (android.graphics.Color)	4282892252 (0xFF47BFDC)
YUV	158.4260, 30.3560, -76.6726
Hunter-Lab	66.0750, -23.6289, -20.3266

Details

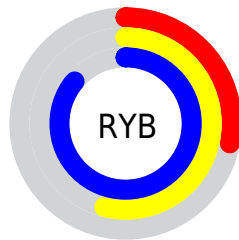
The CIELCh color **72, 34.261, 225.113** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **57, 59.529, 40.804**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 33.067, 203.751**, and **53, 31.437, 228.630** is the 20% darker color. If you saturate the color by 10%, you get **70, 36.569, 227.487**, and if you desaturate by 10%, it is **74, 31.134, 223.257**.

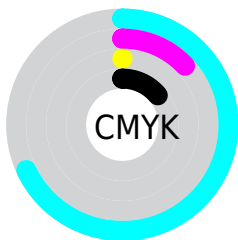
Distribution



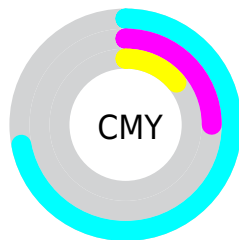
- Red (28%)
- Green (75%)
- Blue (86%)



- Red (28%)
- Yellow (54%)
- Blue (86%)



- Cyan (68%)
- Magenta (13%)
- Yellow (0%)
- Black (14%)





- Cyan (72%)
- Magenta (25%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 34.261, 225.113 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, 34.261, 225.113 by changing the saturation by 10% instead.


 72, 34.261,
225.113


 72, 34.261,
225.113


 100, 34.261,
225.113


 62, 34.261,
225.113


 92, 34.261,
225.113

 52, 34.261,
225.113

 42, 34.261,
225.113

 32, 34.261,
225.113

 22, 34.261,
225.113

 12, 34.261,
225.113

 2, 34.261, 225.113

0, 34.261, 225.113

72, 34.261,
225.113

72, 34.261,
225.113

70, 36.569,
227.487

74, 31.134,
223.257

69, 38.109,
230.458

76, 27.210,
221.837

67, 39.033,
234.039

78, 22.554,
220.775

67, 39.213,
234.853

80, 17.257,
220.002

83, 11.422,
219.464

86, 5.149, 219.150

■ 88, 1.469, 38.401

■ 91, 8.351, 38.598

■ 93, 10.674, 47.030

Harmonies

Complementary

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



72, 34.261, 225.113



57, 59.529, 40.804

Rectangle

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



72, 34.261, 225.113



72, 34.261, 275.113



72, 34.261, 45.113



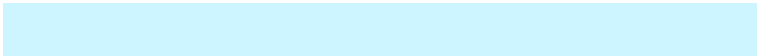
72, 34.261, 95.113

Sweetspot

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



72, 34.260, 225.112



94, 14.362, 219.572



78, 79.750, 143.023



49, 9.710, 219.716



0, 0.000, 0.000



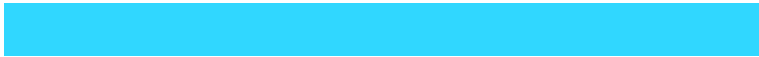
53, 0.007, 296.813

Same Dimension

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



72, 34.260, 225.112



80, 41.673, 228.560



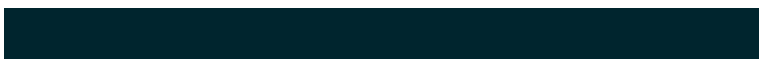
51, 59.432, 286.754



45, 3.718, 219.182



54, 32.810, 234.174



13, 13.096, 226.893

Inverse Universe

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



55, 77.086, 334.986



60, 95.389, 336.139



73, 57.453, 83.209



43, 6.991, 330.894



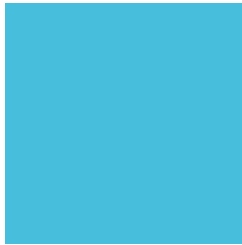
39, 74.466, 337.771



6, 30.135, 335.793

Previews

White Background



This preview shows how the CIELCh color 72, 34.261, 225.113 looks on a white background.

Color Contrast Check

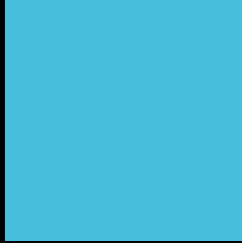
Large Text (above 18pt) WCAG AA × Fail

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, 34.261, 225.113 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, 34.261, 225.113

Background



This preview shows how black text looks on a background with the CIELCh color 72, 34.261, 225.113.

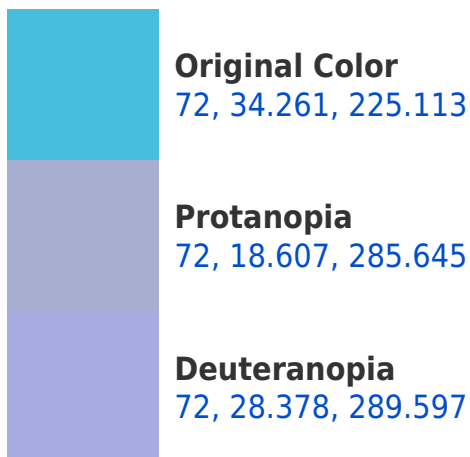


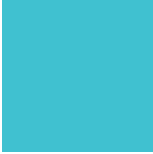
This preview shows how white text looks on a background with the CIELCh color 72, 34.261, 225.113.

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, 34.669, 210.780

Trichromacy



Original Color
72, 34.261, 225.113



Protanomaly
71, 22.454, 250.135



Deuteranomaly
71, 26.965, 259.937



Tritanomaly
72, 34.317, 215.837

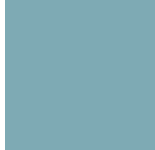
Monochromacy



Original Color
72, 34.261, 225.113



Achromatopsia
65, 0.008, 296.813



Achromatomaly
67, 15.790, 218.899

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 34.261, 225.113 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(71, 191, 220)` looks like.

```
.text, #text, p{  
    color:rgb(71, 191, 220)  
}
```

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(71, 191, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 191, 220) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 34.261, 225.113 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(71, 191, 220) }
```

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

```
.border{ border-color:rgb(71, 191, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 191, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 191, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 191, 220);  
box-shadow:4px 4px 4px 4px rgb(71, 191,  
220) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 34.261, 225.113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 191, 220) }
```

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

```
.background{ background-color: rgb(71, 191,  
220) }
```

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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