

Converting Colors

CIELCh(72, 45.465, 249.693)

Have a look what the booklet for
CIELCh(72, 45.465, 249.693)
contains.

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Color

CIELCh(72, 45.495, 249.611)

Conversions

Conversions Part 1

Format	Color
Hex	1FBDFE
RGB	31, 189, 254
RGB Percent	12%, 74%, 100%
CMY	0.8786, 0.2602, 0.0054
CMYK	0.88, 0.26, 0.00, 0.01
HSL	198°, 99%, 56%
HSV	198°, 88%, 99%
XYZ	36.5089, 43.6590, 99.9424
YIQ	149.1680, -115.0330, -13.2810

Conversions

Conversions Part 2

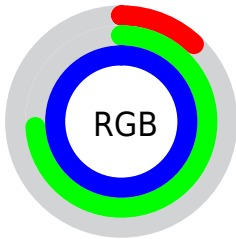
Format	Color
RYB	31, 123, 254
Decimal	2080254
CIELab	72.00, -15.85, -42.64
CIELCh	72, 45.495, 249.611
Yxy	43.6590, 0.2027, 0.2424
Android (android.graphics.Color)	4280270334 (0xFF1FBDFE)
YUV	149.1680, 51.6822, -103.6333
Hunter-Lab	66.0750, -17.0032, -43.4273

Details

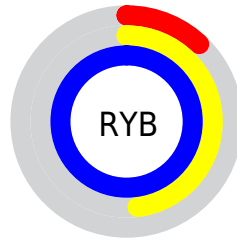
The CIELCh color **72, 45.495, 249.611** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed azure. A complement of this color would be **61, 85.596, 47.808**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 35.668, 205.711**, and **54, 41.048, 258.142** is the 20% darker color. If you saturate the color by 10%, you get **70, 48.014, 254.547**, and if you desaturate by 10%, it is **74, 42.626, 245.311**.

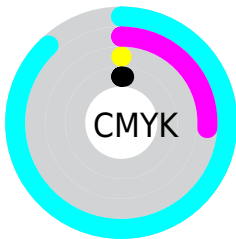
Distribution



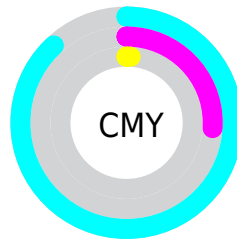
- Red (12%)
- Green (74%)
- Blue (100%)



- Red (12%)
- Yellow (48%)
- Blue (100%)



- Cyan (88%)
- Magenta (26%)
- Yellow (0%)
- Black (1%)





- Cyan (88%)
- Magenta (26%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 45.495, 249.611 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, 45.495, 249.611 by changing the saturation by 10% instead.


 72, 45.495,
249.611


 72, 45.495,
249.611


 100, 45.495,
249.611


 62, 45.495,
249.611


 92, 45.495,
249.611

 52, 45.495,
249.611

 42, 45.495,
249.611

 32, 45.495,
249.611

 22, 45.495,
249.611

 12, 45.495,
249.611

 2, 45.495, 249.611

■ 0, 45.495, 249.611

■ 72, 45.495,
249.611

■ 72, 45.495,
249.611

■ 70, 48.014,
254.547

■ 74, 42.626,
245.311

■ 69, 48.576,
255.651

■ 77, 39.203,
241.717

■ 80, 35.118,
238.792

■ 83, 30.350,
236.452

■ 86, 24.934,
234.603

■ 90, 18.942,
233.155

■ 93, 12.463,
232.032

■ 97, 5.587, 231.204

100, 0.693,
110.014

Harmonies

Complementary

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



72, 45.495, 249.611



61, 85.596, 47.808

Rectangle

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



72, 45.495, 249.611



72, 45.495, 299.611



72, 45.495, 69.611



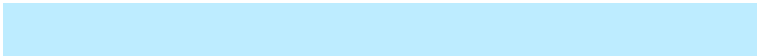
72, 45.495, 119.611

Sweetspot

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



72, 45.494, 249.612



91, 17.892, 232.932



88, 100.185, 142.573



47, 12.004, 233.373



0, 0.000, 0.000



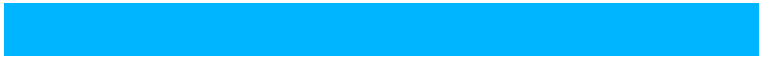
53, 0.007, 296.813

Same Dimension

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



72, 45.494, 249.612



70, 48.784, 255.667



43, 102.429, 299.009



51, 4.078, 231.321



53, 38.986, 254.707



17, 17.097, 247.759

Inverse Universe

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



58, 91.230, 342.463



57, 92.451, 344.708



84, 81.487, 88.075



50, 7.383, 334.575



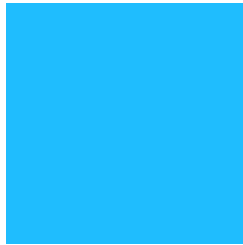
43, 74.708, 344.336



11, 35.189, 341.857

Previews

White Background



This preview shows how the CIELCh color 72, 45.495, 249.611 looks on a white background.

Color Contrast Check

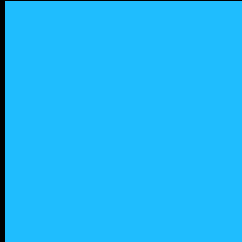
Large Text (above 18pt) WCAG AA × Fail

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, 45.495, 249.611 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

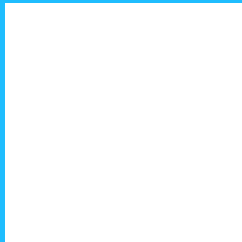
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 45.495, 249.611

Background



This preview shows how black text looks on a background with the CIELCh color 72, 45.495, 249.611.

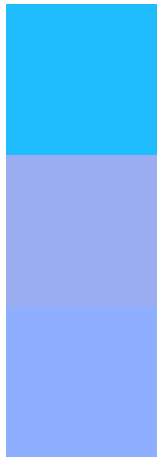


This preview shows how white text looks on a background with the CIELCh color 72, 45.495, 249.611.

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](#).

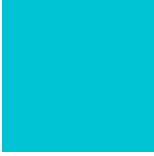
Dichromacy



Original Color
72, 45.531, 249.553

Protanopia
72, 37.263, 285.220

Deuteranopia
72, 44.629, 282.535



Tritanopia
72, 39.528, 208.734

Trichromacy



Original Color
72, 45.531, 249.553



Protanomaly
71, 40.026, 265.800



Deuteranomaly
71, 44.305, 267.404



Tritanomaly
72, 39.543, 224.420

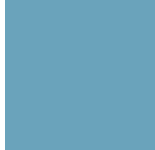
Monochromacy



Original Color
72, 45.531, 249.553



Achromatopsia
62, 0.008, 296.813



Achromatomaly
64, 21.950, 236.078

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 45.495, 249.611 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(31, 189, 254)` looks like.

```
.text, #text, p{  
    color:rgb(31, 189, 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(31, 189, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 189, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 45.495, 249.611 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(31, 189, 254) }
```

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

```
.border{ border-color:rgb(31, 189, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 189, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 189, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 189, 254);  
box-shadow:4px 4px 4px 4px rgb(31, 189,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 45.495, 249.611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 189, 254) }
```

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

```
.background{ background-color: rgb(31, 189,  
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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