

Converting Colors

CIELCh(72, 46.371, 250.121)

Have a look what the booklet for
CIELCh(72, 46.371, 250.121)
contains.

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Color

CIELCh(72, 46.174, 249.642)

Conversions

Conversions Part 1

Format	Color
Hex	13BDFF
RGB	19, 189, 255
RGB Percent	7%, 74%, 100%
CMY	0.9247, 0.2596, 0.0008
CMYK	0.92, 0.26, 0.00, 0.00
HSL	197°, 100%, 54%
HSV	197°, 92%, 100%
XYZ	36.4447, 43.6590, 100.9409
YIQ	145.6940, -122.5060, -15.5140

Conversions

Conversions Part 2

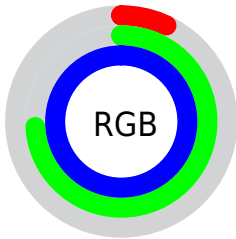
Format	Color
R _Y B	19, 118, 255
Decimal	1293823
CIE Lab	72.00, -16.06, -43.29
CIE LCh	72, 46.174, 249.642
Yxy	43.6590, 0.2013, 0.2412
Android (android.graphics.Color)	4279483903 (0xFF13BDFF)
YUV	145.6940, 53.8879, -111.1106
Hunter-Lab	66.0750, -17.1766, -44.3232

Details

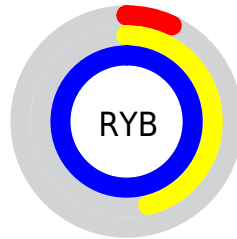
The CIELCh color **72, 46.174, 249.642** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed azure. A complement of this color would be **60, 90.665, 46.790**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 36.254, 205.540**, and **54, 41.453, 258.793** is the 20% darker color. If you saturate the color by 10%, you get **70, 47.879, 253.387**, and if you desaturate by 10%, it is **74, 43.696, 245.120**.

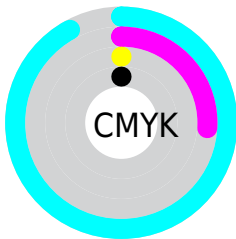
Distribution



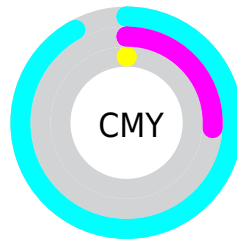
- Red (7%)
- Green (74%)
- Blue (100%)



- Red (7%)
- Yellow (46%)
- Blue (100%)



- Cyan (92%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)




- Cyan (92%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 46.174, 249.642 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, 46.174, 249.642 by changing the saturation by 10% instead.


 72, 46.174,
249.642


 72, 46.174,
249.642


 100, 46.174,
249.642


 62, 46.174,
249.642


 92, 46.174,
249.642

 52, 46.174,
249.642

 42, 46.174,
249.642

 32, 46.174,
249.642

 22, 46.174,
249.642

 12, 46.174,
249.642

 2, 46.174, 249.642

■ 0, 46.174, 249.642

■ 72, 46.174,
249.642

■ 72, 46.174,
249.642

■ 70, 47.879,
253.387

■ 74, 43.696,
245.120

■ 77, 40.702,
241.303

■ 80, 37.043,
238.178

■ 82, 32.666,
235.673

■ 85, 27.589,
233.693

■ 89, 21.873,
232.144

■ 92, 15.607,
230.945

■ 95, 8.884, 230.037

■ 99, 1.796, 229.588

Harmonies

Complementary

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



72, 46.174, 249.642



60, 90.665, 46.790

Rectangle

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



72, 46.174, 249.642



72, 46.174, 299.642



72, 46.174, 69.642



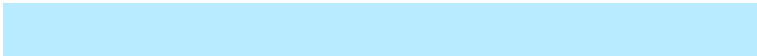
72, 46.174, 119.642

Sweetspot

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



72, 46.173, 249.643



90, 19.152, 231.570



88, 104.934, 141.165



47, 13.040, 232.124



0, 0.000, 0.000



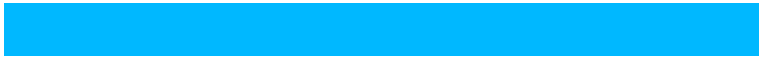
53, 0.007, 296.813

Same Dimension

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



72, 46.173, 249.643



70, 47.909, 253.390



42, 106.165, 299.713



51, 4.084, 229.824



54, 38.318, 252.442



17, 16.897, 245.625

Inverse Universe

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



57, 92.970, 342.486



57, 93.170, 343.839



83, 82.731, 85.905



50, 7.445, 334.105



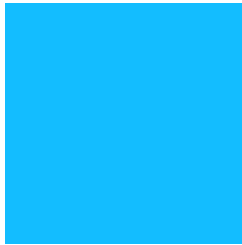
43, 75.285, 343.490



11, 35.443, 341.159

Previews

White Background



This preview shows how the CIELCh color 72, 46.174, 249.642 looks on a white background.

Color Contrast Check

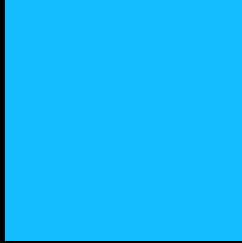
Large Text (above 18pt) WCAG AA × Fail

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, 46.174, 249.642 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

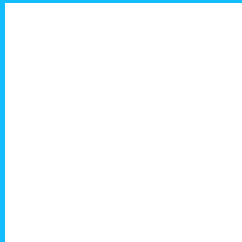
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 46.174, 249.642

Background



This preview shows how black text looks on a background with the CIELCh color 72, 46.174, 249.642.



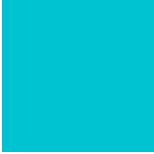
This preview shows how white text looks on a background with the CIELCh color 72, 46.174, 249.642.

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, 39.528, 208.734

Trichromacy



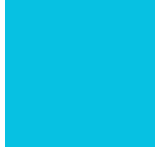
Original Color
72, 46.197, 249.604



Protanomaly
71, 40.905, 264.921



Deuteranomaly
71, 45.124, 266.715



Tritanomaly
72, 39.637, 224.344

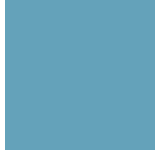
Monochromacy



Original Color
72, 46.197, 249.604



Achromatopsia
61, 0.008, 296.813



Achromatomaly
63, 22.991, 234.066

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 46.174, 249.642 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(19, 189, 255)` looks like.

```
.text, #text, p{  
    color:rgb(19, 189, 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(19, 189, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 189, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 46.174, 249.642 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(19, 189, 255) }
```

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

```
.border{ border-color:rgb(19, 189, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 189, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 189, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 189, 255);  
box-shadow:4px 4px 4px 4px rgb(19, 189,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 46.174, 249.642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 189, 255) }
```

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

```
.background{ background-color: rgb(19, 189,  
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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