

Converting Colors

CIELCh(72, 46.227, 250.264)

Have a look what the booklet for
CIELCh(72, 46.227, 250.264)
contains.

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Color

CIELCh(72, 46.071, 249.808)

Conversions

Conversions Part 1

Format	Color
Hex	17BDFF
RGB	23, 189, 255
RGB Percent	9%, 74%, 100%
CMY	0.9098, 0.2599, 0.0012
CMYK	0.91, 0.26, 0.00, 0.00
HSL	197°, 100%, 54%
HSV	197°, 91%, 100%
XYZ	36.4932, 43.6590, 100.8628
YIQ	146.8900, -120.1220, -14.6660

Conversions

Conversions Part 2

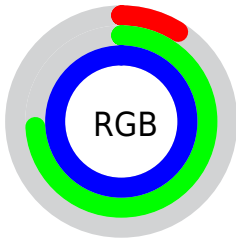
Format	Color
R _Y B	23, 120, 255
Decimal	1555967
CIE Lab	72.00, -15.90, -43.24
CIE LCh	72, 46.071, 249.808
Yxy	43.6590, 0.2016, 0.2412
Android (android.graphics.Color)	4279746047 (0xFF17BDFF)
YUV	146.8900, 53.2982, -108.6515
Hunter-Lab	66.0750, -17.0456, -44.2531

Details

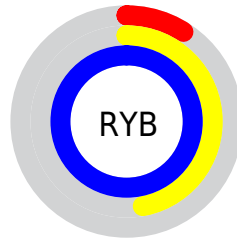
The CIELCh color **72, 46.071, 249.808** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed azure. A complement of this color would be **60, 89.143, 47.174**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 36.060, 205.596**, and **54, 41.453, 258.793** is the 20% darker color. If you saturate the color by 10%, you get **70, 48.206, 254.302**, and if you desaturate by 10%, it is **74, 43.452, 245.346**.

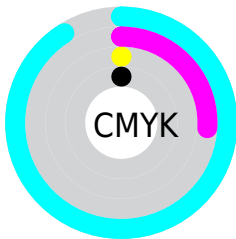
Distribution



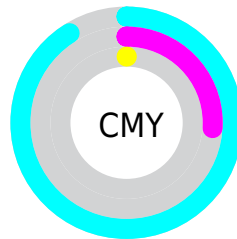
- Red (9%)
- Green (74%)
- Blue (100%)



- Red (9%)
- Yellow (47%)
- Blue (100%)



- Cyan (91%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)




- Cyan (91%)
- Magenta (26%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 46.071, 249.808 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, 46.071, 249.808 by changing the saturation by 10% instead.


 72, 46.071,
249.808

 72, 46.071,
249.808


 100, 46.071,
249.808


 62, 46.071,
249.808


 92, 46.071,
249.808

 52, 46.071,
249.808

 42, 46.071,
249.808

 32, 46.071,
249.808

 22, 46.071,
249.808

 12, 46.071,
249.808

 2, 46.071, 249.808

■ 0, 46.071, 249.808

■ 72, 46.071,
249.808

■ 72, 46.071,
249.808

■ 70, 48.206,
254.302

■ 74, 43.452,
245.346

■ 77, 40.305,
241.590

■ 80, 36.496,
238.521

■ 83, 31.980,
236.062

■ 86, 26.781,
234.117

■ 89, 20.966,
232.595

■ 92, 14.621,
231.415

■ 96, 7.839, 230.525

■ 100, 0.710,
230.596

Harmonies

Complementary

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



72, 46.071, 249.808



60, 89.143, 47.174

Rectangle

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



72, 46.071, 249.808



72, 46.071, 299.808



72, 46.071, 69.808



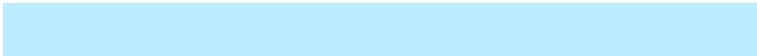
72, 46.071, 119.808

Sweetspot

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



72, 46.070, 249.809



90, 18.523, 232.090



88, 102.719, 141.956



47, 12.350, 232.522



0, 0.000, 0.000



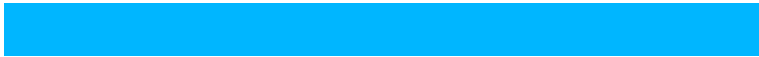
53, 0.007, 296.813

Same Dimension

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



72, 46.070, 249.809



70, 48.249, 254.305



41, 106.647, 299.961



51, 4.081, 230.420



54, 38.577, 253.352



17, 16.974, 246.480

Inverse Universe

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



58, 92.500, 342.540



57, 92.880, 344.183



84, 82.881, 87.569



50, 7.421, 334.291



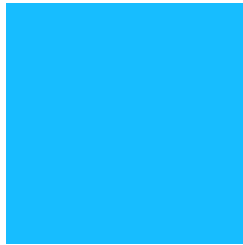
43, 75.053, 343.825



11, 35.341, 341.435

Previews

White Background



This preview shows how the CIELCh color 72, 46.071, 249.808 looks on a white background.

Color Contrast Check

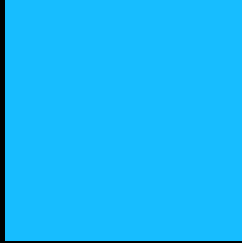
Large Text (above 18pt) WCAG AA × Fail

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, 46.071, 249.808 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

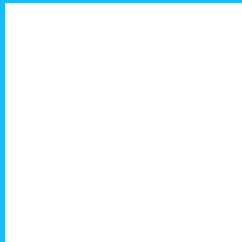
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 46.071, 249.808

Background



This preview shows how black text looks on a background with the CIELCh color 72, 46.071, 249.808.

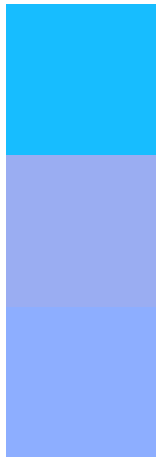


This preview shows how white text looks on a background with the CIELCh color 72, 46.071, 249.808.

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

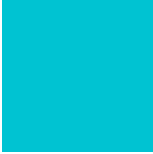
72, 46.098, 249.764

Protanopia

72, 37.830, 284.975

Deuteranopia

72, 44.672, 282.205



Tritanopia
72, 39.528, 208.734

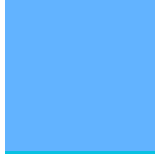
Trichromacy



Original Color
72, 46.098, 249.764



Protanomaly
71, 40.820, 265.186



Deuteranomaly
71, 45.052, 266.933



Tritanomaly
72, 39.614, 224.363

Monochromacy



Original Color
72, 46.098, 249.764



Achromatopsia
61, 0.008, 296.813



Achromatomaly
64, 22.579, 234.855

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 46.071, 249.808 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(23, 189, 255)` looks like.

```
.text, #text, p{  
    color:rgb(23, 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(23, 189, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 189, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 46.071, 249.808 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(23, 189, 255) }
```

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

```
.border{ border-color:rgb(23, 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(23, 189, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 189, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 189, 255);  
box-shadow:4px 4px 4px 4px rgb(23, 189,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 46.071, 249.808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 189, 255) }
```

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

```
.background{ background-color: rgb(23, 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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