

Converting Colors

CIELCh(72, 45.655, 247.249)

Have a look what the booklet for
CIELCh(72, 45.655, 247.249)
contains.

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Color

CIELCh(72, 45.878, 247.888)

Conversions

Conversions Part 1

Format	Color
Hex	03BDFD
RGB	3, 189, 253
RGB Percent	1%, 74%, 99%
CMY	0.9878, 0.2576, 0.0066
CMYK	0.99, 0.25, 0.00, 0.01
HSL	195°, 99%, 50%
HSV	195°, 99%, 99%
XYZ	36.0829, 43.6590, 99.7251
YIQ	140.6820, -131.4000, -19.5280

Conversions

Conversions Part 2

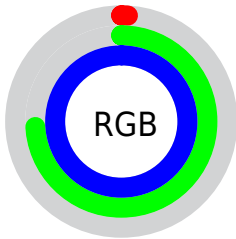
Format	Color
RYB	3, 110, 253
Decimal	245245
CIELab	72.00, -17.27, -42.50
CIELCh	72, 45.878, 247.888
Yxy	43.6590, 0.2011, 0.2433
Android (android.graphics.Color)	4278435325 (0xFF03BDFD)
YUV	140.6820, 55.3728, -120.7471
Hunter-Lab	66.0750, -18.1540, -43.2322

Details

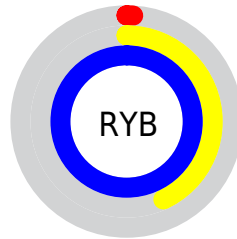
The CIELCh color **72, 45.878, 247.888** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **57, 96.041, 44.995**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 37.012, 205.325**, and **54, 40.648, 257.478** is the 20% darker color. If you saturate the color by 10%, you get **72, 46.103, 248.471**, and if you desaturate by 10%, it is **74, 44.043, 243.241**.

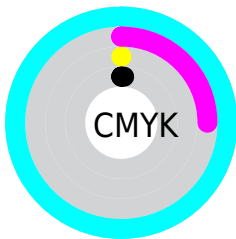
Distribution



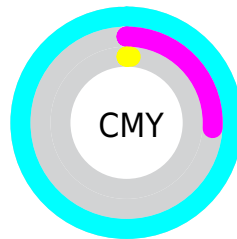
- Red (1%)
- Green (74%)
- Blue (99%)



- Red (1%)
- Yellow (43%)
- Blue (99%)



- Cyan (99%)
- Magenta (25%)
- Yellow (0%)
- Black (1%)




- Cyan (99%)
- Magenta (26%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 45.878, 247.888 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, 45.878, 247.888 by changing the saturation by 10% instead.

 72, 45.878,
247.888


 72, 45.878,
247.888


 100, 45.878,
247.888


 62, 45.878,
247.888


 92, 45.878,
247.888

 52, 45.878,
247.888

 42, 45.878,
247.888

 32, 45.878,
247.888

 22, 45.878,
247.888

 12, 45.878,
247.888

 2, 45.878, 247.888

■ 0, 45.878, 247.888

■ 72, 45.878,
247.888

■ 72, 45.878,
247.888

■ 72, 46.103,
248.471

■ 74, 44.043,
243.241

■ 76, 41.765,
239.238

■ 79, 38.822,
235.942

■ 81, 35.116,
233.294

■ 84, 30.633,
231.206

■ 87, 25.422,
229.581

■ 90, 19.564,
228.331

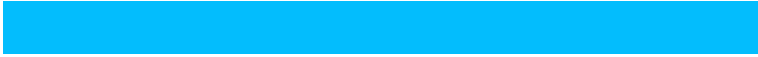
■ 93, 13.159,
227.386

■ 96, 6.306, 226.711

Harmonies

Complementary

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



72, 45.878, 247.888



57, 96.041, 44.995

Rectangle

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



72, 45.878, 247.888



72, 45.878, 297.888



72, 45.878, 67.888



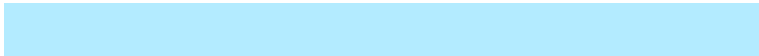
72, 45.878, 117.888

Sweetspot

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



72, 45.877, 247.889



90, 20.426, 228.469



87, 109.308, 139.571



47, 13.729, 228.972



0, 0.000, 0.000



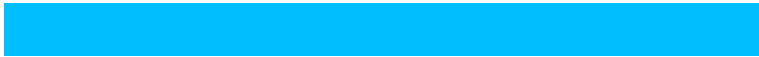
53, 0.007, 296.813

Same Dimension

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



72, 45.877, 247.889



72, 46.339, 248.489



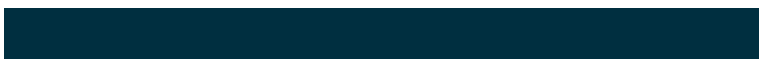
40, 110.455, 300.852



51, 4.104, 226.750



55, 37.124, 247.580



18, 16.558, 241.113

Inverse Universe

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



57, 94.256, 341.899



57, 94.731, 342.102



81, 83.073, 83.216



50, 7.575, 333.157



43, 76.535, 341.797



11, 35.987, 339.759

Previews

White Background



This preview shows how the CIE LCh color 72, 45.878, 247.888 looks on a white background.

Color Contrast Check

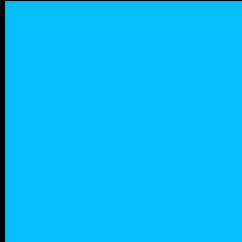
Large Text (above 18pt) WCAG AA × Fail

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, 45.878, 247.888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

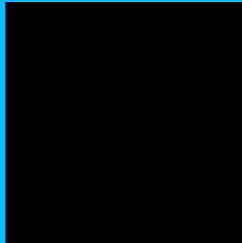
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

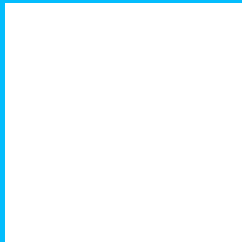
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 45.878, 247.888

Background



This preview shows how black text looks on a background with the CIELCh color 72, 45.878, 247.888.



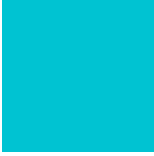
This preview shows how white text looks on a background with the CIELCh color 72, 45.878, 247.888.

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

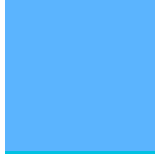
Trichromacy



Original Color
72, 45.847, 247.936



Protanomaly
71, 40.461, 262.619



Deuteranomaly
71, 44.727, 264.253



Tritanomaly
72, 39.778, 224.231

Monochromacy



Original Color
72, 45.847, 247.936



Achromatopsia
59, 0.008, 296.813



Achromatomaly
62, 23.981, 230.774

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 45.878, 247.888 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(3, 189, 253)` looks like.

```
.text, #text, p{  
    color:rgb(3, 189, 253)  
}
```

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(3, 189, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 189, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 45.878, 247.888 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(3, 189, 253) }
```

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

```
.border{ border-color:rgb(3, 189, 253) }
```

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

Here you see how a box with a 4 pixel rgb(3, 189, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 189, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 189, 253);  
box-shadow:4px 4px 4px 4px rgb(3, 189,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 45.878, 247.888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 189, 253) }
```

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

```
.background{ background-color: rgb(3, 189,  
253) }
```

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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