

Converting Colors

CIELCh(73, 45.770, 246.321)

Have a look what the booklet for
CIELCh(73, 45.770, 246.321)
contains.

CIELCh(73, 45.633, 245.844)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(73, 45.633, 245.844)

Conversions

Conversions Part 1

Format	Color
Hex	00C1FF
RGB	0, 193, 255
RGB Percent	0%, 76%, 100%
CMY	1.0000, 0.2446, 0.0015
CMYK	1.00, 0.24, 0.00, 0.00
HSL	195°, 100%, 50%
HSV	195°, 100%, 100%
XYZ	36.9587, 45.1644, 101.0519
YIQ	142.3610, -134.9300, -21.6340

Conversions

Conversions Part 2

Format	Color
RYB	0, 110, 255
Decimal	49663
CIELab	73.00, -18.67, -41.64
CIELCh	73, 45.633, 245.844
Yxy	45.1644, 0.2018, 0.2466
Android (android.graphics.Color)	4278239743 (0xFF00C1FF)
YUV	142.3610, 55.5310, -124.8506
Hunter-Lab	67.2044, -19.4428, -42.1082

Details

The CIELCh color **73, 45.633, 245.844** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light saturated cyan. A complement of this color would be **57, 97.887, 44.446**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 37.862, 201.864**, and **55, 40.436, 256.003** is the 20% darker color. If you saturate the color by 10%, you get **73, 45.610, 245.877**, and if you desaturate by 10%, it is **75, 44.002, 241.334**.

Distribution



- Red (0%)
- Green (76%)
- Blue (100%)



- Red (0%)
- Yellow (43%)
- Blue (100%)



- Cyan (100%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)





- Cyan (100%)
- Magenta (24%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 45.633, 245.844 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 73, 45.633, 245.844 by changing the saturation by 10% instead.


 73, 45.633,
245.844


 73, 45.633,
245.844


 100, 45.633,
245.844


 63, 45.633,
245.844


 93, 45.633,
245.844

 53, 45.633,
245.844

 43, 45.633,
245.844

 33, 45.633,
245.844

 23, 45.633,
245.844

 13, 45.633,
245.844

 3, 45.633, 245.844

■ 0, 45.633, 245.844

■ 73, 45.633,
245.844

■ 73, 45.633,
245.844

■ 73, 45.610,
245.877

■ 75, 44.002,
241.334

■ 77, 41.957,
237.399

■ 79, 39.221,
234.165

■ 82, 35.690,
231.575

■ 84, 31.346,
229.539

■ 87, 26.236,
227.962

■ 90, 20.445,
226.758

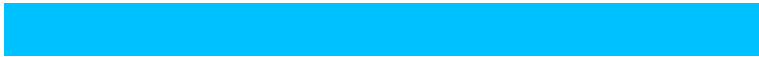
■ 93, 14.074,
225.854

■ 97, 7.227, 225.211

Harmonies

Complementary

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



73, 45.633, 245.844



57, 97.887, 44.446

Rectangle

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



73, 45.633, 245.844



73, 45.633, 295.844



73, 45.633, 65.844



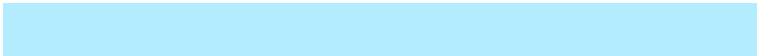
73, 45.633, 115.844

Sweetspot

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



73, 45.610, 245.877



90, 20.470, 226.758



88, 111.461, 138.965



47, 13.753, 227.225



0, 0.000, 0.000



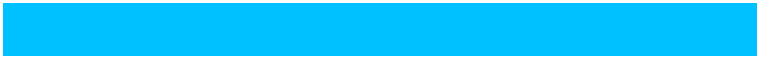
53, 0.007, 296.813

Same Dimension

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



73, 45.610, 245.877



73, 45.663, 245.881



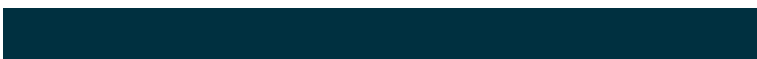
40, 109.863, 300.516



51, 4.119, 225.186



56, 36.613, 244.997



18, 16.421, 238.752

Inverse Universe

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



57, 95.461, 341.240



57, 95.570, 341.241



80, 83.223, 81.399



50, 7.643, 332.684



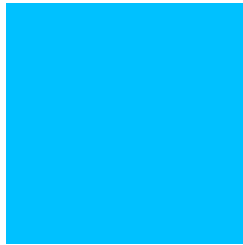
43, 77.206, 340.958



11, 36.275, 339.063

Previews

White Background



This preview shows how the CIE LCh color 73, 45.633, 245.844 looks on a white background.

Color Contrast Check

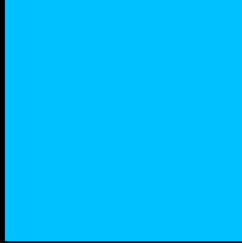
Large Text (above 18pt) WCAG AA × Fail

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 73, 45.633, 245.844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

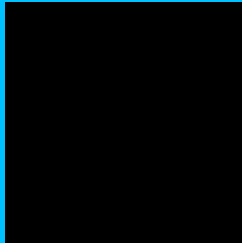
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

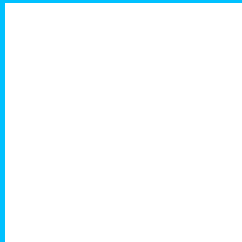
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 73, 45.633, 245.844

Background



This preview shows how black text looks on a background with the CIELCh color 73, 45.633, 245.844.

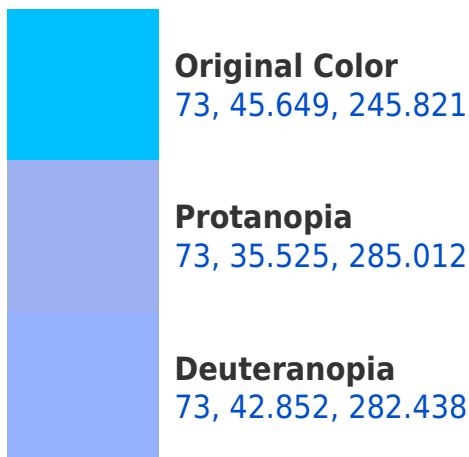


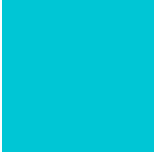
This preview shows how white text looks on a background with the CIELCh color 73, 45.633, 245.844.

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
73, 39.990, 208.554

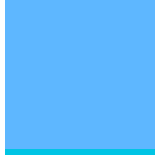
Trichromacy



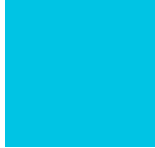
Original Color
73, 45.649, 245.821



Protanomaly
71, 39.745, 260.812



Deuteranomaly
72, 43.817, 263.036



Tritanomaly
73, 40.119, 222.994

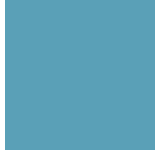
Monochromacy



Original Color
73, 45.649, 245.821



Achromatopsia
59, 0.008, 296.813



Achromatomaly
62, 24.386, 230.097

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 45.633, 245.844 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(0, 193, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 193, 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(0, 193, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 193, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 45.633, 245.844 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(0, 193, 255) }
```

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

```
.border{ border-color:rgb(0, 193, 255) }
```

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

Here you see how a box with a 4 pixel rgb(0, 193, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 193, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 193, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 193,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 45.633, 245.844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 193, 255) }
```

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

```
.background{ background-color: rgb(0, 193,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor