

Converting Colors

CIELCh(73, 45.431, 244.880)

Have a look what the booklet for
CIELCh(73, 45.431, 244.880)
contains.

CIELCh(73, 45.363, 245.178)	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, 45.363, 245.178)

Conversions

Conversions Part 1

Format	Color
Hex	00C1FE
RGB	0, 193, 254
RGB Percent	0%, 76%, 100%
CMY	1.0000, 0.2441, 0.0049
CMYK	1.00, 0.24, 0.00, 0.00
HSL	194°, 100%, 50%
HSV	194°, 100%, 100%
XYZ	36.8466, 45.1644, 100.3311
YIQ	142.2470, -134.6090, -21.9450

Conversions

Conversions Part 2

Format	Color
RYB	0, 110, 254
Decimal	49662
CIELab	73.00, -19.04, -41.17
CIELCh	73, 45.363, 245.178
Yxy	45.1644, 0.2021, 0.2477
Android (android.graphics.Color)	4278239742 (0xFF00C1FE)
YUV	142.2470, 55.0942, -124.7506
Hunter-Lab	67.2044, -19.7405, -41.4723

Details

The CIELCh color **73, 45.363, 245.178** 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 **56, 97.769, 44.340**, 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, 40.053, 255.312** is the 20% darker color. If you saturate the color by 10%, you get **73, 45.337, 245.214**, and if you desaturate by 10%, it is **75, 43.784, 240.714**.

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, 45.363, 245.178 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, 45.363, 245.178 by changing the saturation by 10% instead.


 73, 45.363,
245.178


 73, 45.363,
245.178


 100, 45.363,
245.178


 63, 45.363,
245.178


 93, 45.363,
245.178

 53, 45.363,
245.178

 43, 45.363,
245.178

 33, 45.363,
245.178

 23, 45.363,
245.178

 13, 45.363,
245.178

 3, 45.363, 245.178

■ 0, 45.363, 245.178

■ 73, 45.363,
245.178

■ 73, 45.363,
245.178

■ 73, 45.337,
245.214

■ 75, 43.784,
240.714

■ 77, 41.784,
236.822

■ 79, 39.084,
233.628

■ 82, 35.583,
231.074

■ 84, 31.264,
229.068

■ 87, 26.176,
227.517

■ 90, 20.402,
226.335

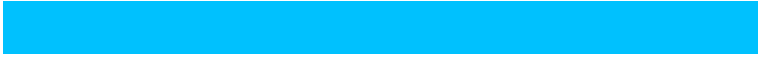
■ 93, 14.047,
225.451

■ 96, 7.215, 224.825

Harmonies

Complementary

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



73, 45.363, 245.178



56, 97.769, 44.340

Rectangle

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



73, 45.363, 245.178



73, 45.363, 295.178



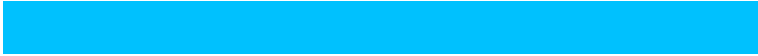
73, 45.363, 65.178



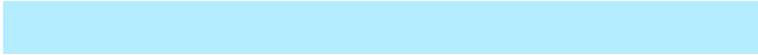
73, 45.363, 115.178

Sweetspot

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



73, 45.337, 245.214



90, 20.483, 226.336



88, 111.165, 138.968



47, 13.761, 226.795



0, 0.000, 0.000



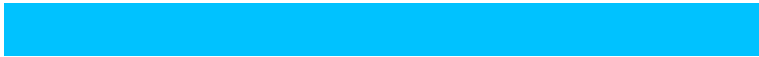
53, 0.007, 296.813

Same Dimension

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



73, 45.337, 245.214



73, 45.509, 245.227



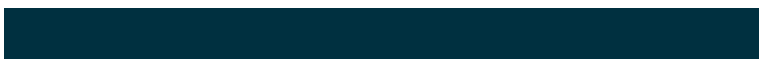
40, 109.561, 300.511



51, 4.123, 224.801



56, 36.498, 244.350



18, 16.392, 238.164

Inverse Universe

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



57, 95.429, 341.027



57, 95.781, 341.031



80, 83.010, 81.404



50, 7.660, 332.568



43, 77.374, 340.753



11, 36.348, 338.893

Previews

White Background



This preview shows how the CIELCh color 73, 45.363, 245.178 looks on a white background.

Color Contrast Check

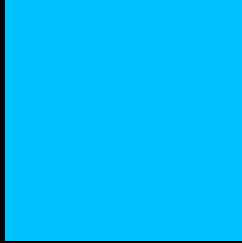
Large Text (above 18pt) WCAG AA × Fail

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, 45.363, 245.178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

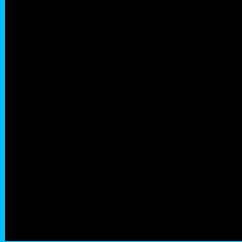
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 73, 45.363, 245.178

Background



This preview shows how black text looks on a background with the CIELCh color 73, 45.363, 245.178.

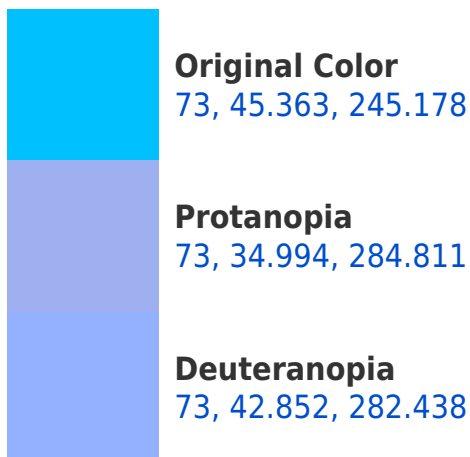


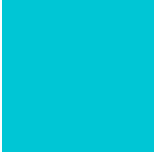
This preview shows how white text looks on a background with the CIELCh color 73, 45.363, 245.178.

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

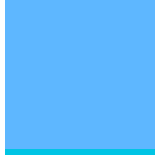
Trichromacy



Original Color
73, 45.363, 245.178



Protanomaly
71, 39.326, 260.256



Deuteranomaly
72, 43.817, 263.036



Tritanomaly
73, 40.119, 222.994

Monochromacy



Original Color
73, 45.363, 245.178



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, 45.363, 245.178 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, 254)` looks like.

```
.text, #text, p{  
    color:rgb(0, 193, 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(0, 193, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 193, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 45.363, 245.178 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, 254) }
```

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

```
.border{ border-color:rgb(0, 193, 254) }
```

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, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 193, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 193, 254);  
box-shadow:4px 4px 4px 4px rgb(0, 193,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 45.363, 245.178 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, 254) }
```

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

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

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