

Converting Colors

CIELCh(79, 43.237, 225.285)

Have a look what the booklet for
CIELCh(79, 43.237, 225.285)
contains.

CIELCh(79, 43.174, 225.457)	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(79, 43.174, 225.457)

Conversions

Conversions Part 1

Format	Color
Hex	00D6FC
RGB	0, 214, 252
RGB Percent	0%, 84%, 99%
CMY	1.0000, 0.1620, 0.0130
CMYK	1.00, 0.15, 0.00, 0.01
HSL	189°, 100%, 49%
HSV	189°, 100%, 99%
XYZ	41.4599, 54.9284, 100.2442
YIQ	154.3460, -139.7420, -33.5500

Conversions

Conversions Part 2

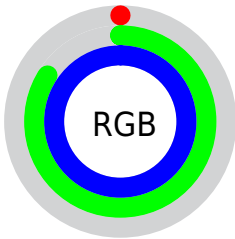
Format	Color
RYB	0, 116, 252
Decimal	55036
CIELab	79.00, -30.28, -30.77
CIELCh	79, 43.174, 225.457
Yxy	54.9284, 0.2108, 0.2793
Android (android.graphics.Color)	4278245116 (0xFF00D6FC)
YUV	154.3460, 48.1434, -135.3614
Hunter-Lab	74.1137, -29.8443, -28.3145

Details

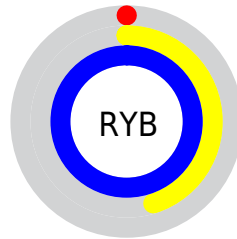
The CIELCh color **79, 43.174, 225.457** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **54, 100.635, 41.821**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.445, 197.005**, and **61, 35.697, 232.354** is the 20% darker color. If you saturate the color by 10%, you get **79, 43.132, 225.488**, and if you desaturate by 10%, it is **80, 42.629, 222.627**.

Distribution



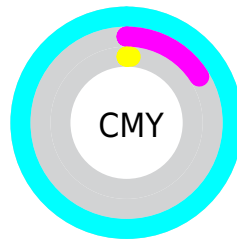
- Red (0%)
- Green (84%)
- Blue (99%)



- Red (0%)
- Yellow (45%)
- Blue (99%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (1%)





- Cyan (100%)
- Magenta (16%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 79, 43.174, 225.457 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 79, 43.174, 225.457 by changing the saturation by 10% instead.


 79, 43.174,
225.457


 79, 43.174,
225.457


 100, 43.174,
225.457


 69, 43.174,
225.457


 99, 43.174,
225.457

 59, 43.174,
225.457

 49, 43.174,
225.457

 39, 43.174,
225.457

 29, 43.174,
225.457

 19, 43.174,
225.457

 9, 43.174, 225.457

■ 0, 43.174, 225.457

■ 79, 43.174,
225.457

■ 79, 43.174,
225.457

■ 79, 43.132,
225.488

■ 80, 42.629,
222.627

■ 82, 41.412,
220.249

■ 83, 39.260,
218.369

■ 85, 36.111,
216.925

■ 87, 31.981,
215.849

■ 89, 26.942,
215.078

■ 91, 21.102,
214.554

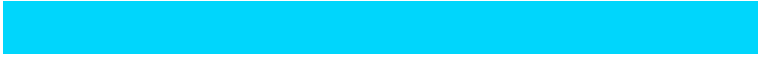
■ 94, 14.584,
214.233

■ 96, 7.511, 214.096

Harmonies

Complementary

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



79, 43.174, 225.457



54, 100.635, 41.821

Rectangle

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



79, 43.174, 225.457



79, 43.174, 275.457



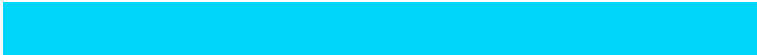
79, 43.174, 45.457



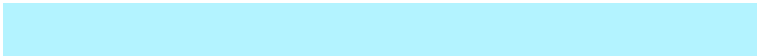
79, 43.174, 95.457

Sweetspot

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



79, 43.132, 225.488



92, 21.326, 214.555



87, 114.782, 137.365



48, 14.299, 214.749



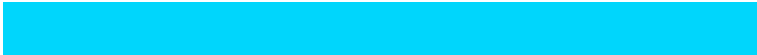
0, 0.000, 0.000



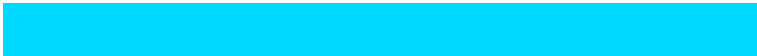
53, 0.007, 296.813

Same Dimension

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



79, 43.132, 225.488



80, 43.562, 225.511



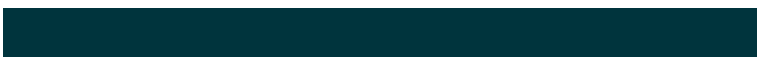
44, 96.197, 296.362



51, 4.251, 214.094



61, 34.751, 224.912



19, 15.806, 220.836

Inverse Universe

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



58, 101.463, 335.474



58, 102.468, 335.480



74, 81.683, 73.440



49, 8.027, 329.420



43, 81.885, 335.328



11, 37.597, 334.301

Previews

White Background



This preview shows how the CIE LCh color 79, 43.174, 225.457 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 79, 43.174, 225.457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

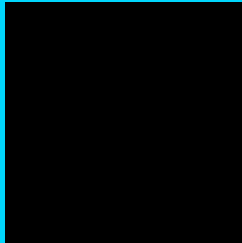
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 79, 43.174, 225.457

Background



This preview shows how black text looks on a background with the CIELCh color 79, 43.174, 225.457.

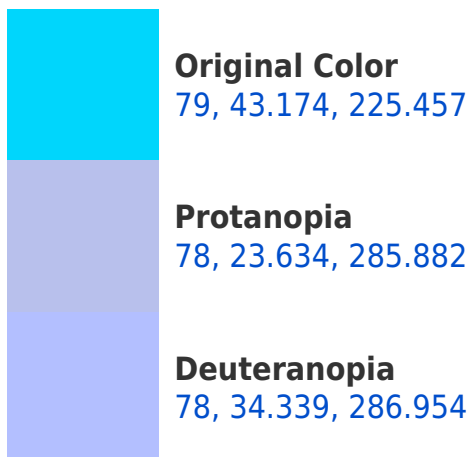


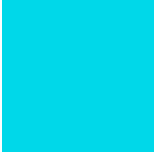
This preview shows how white text looks on a background with the CIELCh color 79, 43.174, 225.457.

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
79, 42.656, 209.114

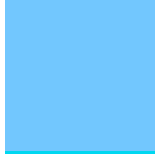
Trichromacy



Original Color
79, 43.174, 225.457



Protanomaly
77, 31.734, 243.937



Deuteranomaly
77, 36.438, 253.150

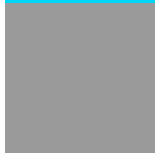


Tritanomaly
79, 42.449, 215.383

Monochromacy



Original Color
79, 43.174, 225.457



Achromatopsia
64, 0.008, 296.813



Achromatomaly
68, 24.958, 215.810

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 43.174, 225.457 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, 214, 252)` looks like.

```
.text, #text, p{  
    color:rgb(0, 214, 252)  
}
```

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, 214, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 214, 252) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 43.174, 225.457 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, 214, 252) }
```

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

```
.border{ border-color:rgb(0, 214, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 214, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 214, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 214, 252);  
box-shadow:4px 4px 4px 4px rgb(0, 214,  
252) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 43.174, 225.457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 214, 252) }
```

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

```
.background{ background-color: rgb(0, 214,  
252) }
```

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