

Converting Colors

CIELCh(79, 43.565, 229.730)

Have a look what the booklet for
CIELCh(79, 43.565, 229.730)
contains.

CIELCh(79, 43.375, 228.710)	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, 43.375, 228.710)

Conversions

Conversions Part 1

Format	Color
Hex	0AD5FF
RGB	10, 213, 255
RGB Percent	4%, 84%, 100%
CMY	0.9617, 0.1643, 0.0000
CMYK	0.96, 0.16, 0.00, 0.00
HSL	190°, 100%, 52%
HSV	190°, 96%, 100%
XYZ	42.0076, 54.9284, 103.0836
YIQ	157.0910, -134.4700, -29.9740

Conversions

Conversions Part 2

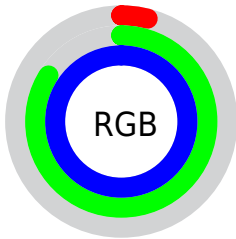
Format	Color
RYB	10, 121, 255
Decimal	710143
CIELab	79.00, -28.62, -32.59
CIELCh	79, 43.375, 228.710
Yxy	54.9284, 0.2100, 0.2746
Android (android.graphics.Color)	4278900223 (0xFF0AD5FF)
YUV	157.0910, 48.2691, -128.9988
Hunter-Lab	74.1137, -28.5253, -30.5860

Details

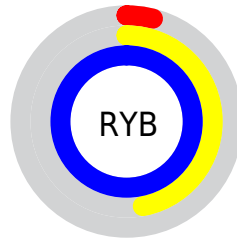
The CIELCh color **79, 43.375, 228.710** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **56, 98.393, 42.184**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.067, 197.028**, and **60, 36.372, 236.215** is the 20% darker color. If you saturate the color by 10%, you get **78, 43.574, 229.930**, and if you desaturate by 10%, it is **80, 42.503, 225.515**.

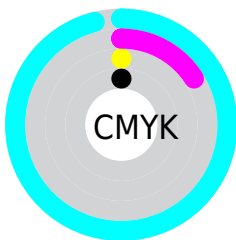
Distribution



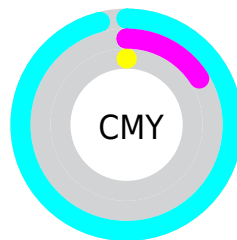
- Red (4%)
- Green (84%)
- Blue (100%)



- Red (4%)
- Yellow (47%)
- Blue (100%)



- Cyan (96%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)





- Cyan (96%)
- Magenta (16%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 79, 43.375, 228.710 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, 43.375, 228.710 by changing the saturation by 10% instead.


 79, 43.375,
228.710


 79, 43.375,
228.710


 100, 43.375,
228.710


 69, 43.375,
228.710


 99, 43.375,
228.710

 59, 43.375,
228.710

 49, 43.375,
228.710

 39, 43.375,
228.710

 29, 43.375,
228.710

 19, 43.375,
228.710

 9, 43.375, 228.710

0, 43.375, 228.710

79, 43.375,
228.710

79, 43.375,
228.710

78, 43.574,
229.930

80, 42.503,
225.515

82, 40.841,
222.981

84, 38.238,
220.984

86, 34.658,
219.448

88, 30.137,
218.299

90, 24.762,
217.464

■ 93, 18.644,
216.885

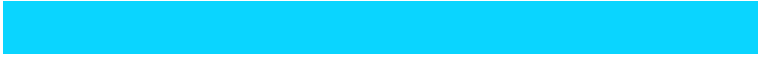
■ 95, 11.907,
216.517

■ 98, 4.670, 216.370

Harmonies

Complementary

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



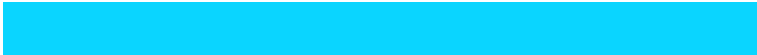
79, 43.375, 228.710



56, 98.393, 42.184

Rectangle

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



79, 43.375, 228.710



79, 43.375, 278.710



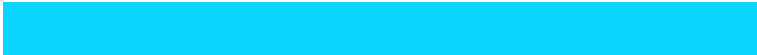
79, 43.375, 48.710



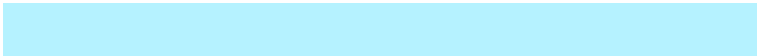
79, 43.375, 98.710

Sweetspot

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



79, 43.359, 228.632



92, 20.442, 217.026



88, 113.424, 138.104



48, 13.791, 217.272



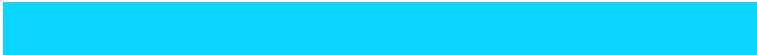
0, 0.000, 0.000



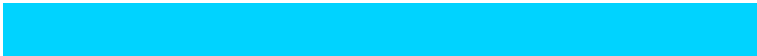
53, 0.007, 296.813

Same Dimension

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



79, 43.359, 228.632



78, 43.574, 229.930



45, 95.776, 296.013



52, 4.265, 216.384



60, 35.083, 229.280



20, 16.149, 224.804

Inverse Universe

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



58, 100.740, 336.274



58, 100.895, 336.628



77, 81.575, 76.020



50, 8.047, 330.086



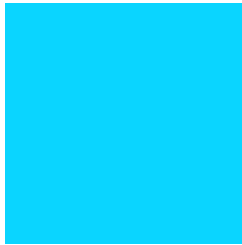
44, 81.448, 336.456



12, 38.064, 335.300

Previews

White Background



This preview shows how the CIELCh color 79, 43.375, 228.710 looks on a white background.

Color Contrast Check

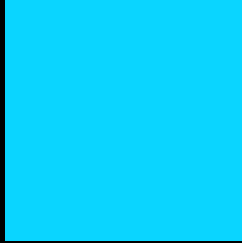
Large Text (above 18pt) WCAG AA × Fail

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, 43.375, 228.710 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, 43.375, 228.710

Background



This preview shows how black text looks on a background with the CIELCh color 79, 43.375, 228.710.



This preview shows how white text looks on a background with the CIELCh color 79, 43.375, 228.710.

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

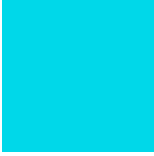
79, 43.356, 228.727

Protanopia

78, 25.779, 285.939

Deuteranopia

78, 34.365, 286.450



Tritanopia
79, 42.656, 209.114

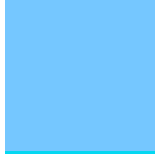
Trichromacy



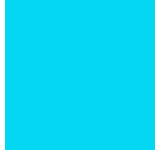
Original Color
79, 43.356, 228.727



Protanomaly
77, 32.241, 247.296



Deuteranomaly
77, 36.453, 254.631

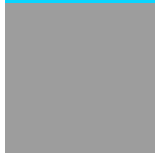


Tritanomaly
79, 42.386, 216.206

Monochromacy



Original Color
79, 43.356, 228.727



Achromatopsia
65, 0.008, 296.813



Achromatomaly
68, 24.234, 219.250

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 43.375, 228.710 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(10, 213, 255)` looks like.

```
.text, #text, p{  
    color:rgb(10, 213, 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(10, 213, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 213, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 43.375, 228.710 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(10, 213, 255) }
```

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

```
.border{ border-color:rgb(10, 213, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 213, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 213, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 213, 255);  
box-shadow:4px 4px 4px 4px rgb(10, 213,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 43.375, 228.710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 213, 255) }
```

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

```
.background{ background-color: rgb(10, 213,  
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