

Converting Colors

CIELCh(80, 43.328, 225.055)

Have a look what the booklet for
CIELCh(80, 43.328, 225.055)
contains.

CIELCh(80, 43.292, 224.473)	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(80, 43.292, 224.473)

Conversions

Conversions Part 1

Format	Color
Hex	07D9FE
RGB	7, 217, 254
RGB Percent	3%, 85%, 100%
CMY	0.9713, 0.1500, 0.0049
CMYK	0.97, 0.15, 0.00, 0.00
HSL	189°, 99%, 51%
HSV	189°, 97%, 100%
XYZ	42.6862, 56.6813, 102.2391
YIQ	158.4280, -137.0370, -33.0130

Conversions

Conversions Part 2

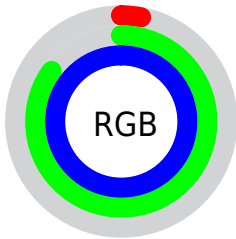
Format	Color
RYB	7, 121, 254
Decimal	514558
CIELab	80.00, -30.89, -30.33
CIELCh	80, 43.292, 224.473
Yxy	56.6813, 0.2117, 0.2811
Android (android.graphics.Color)	4278704638 (0xFF07D9FE)
YUV	158.4280, 47.1170, -132.8024
Hunter-Lab	75.2870, -30.5464, -27.8145

Details

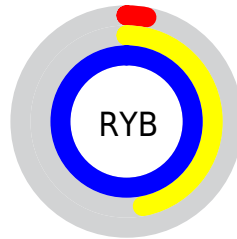
The CIELCh color **80, 43.292, 224.473** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **55, 99.397, 41.634**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.067, 197.028**, and **62, 35.908, 230.853** is the 20% darker color. If you saturate the color by 10%, you get **80, 43.404, 225.319**, and if you desaturate by 10%, it is **81, 42.645, 221.736**.

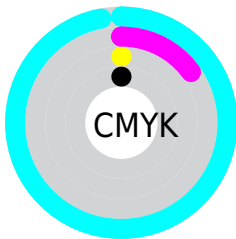
Distribution



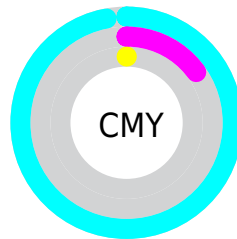
- Red (3%)
- Green (85%)
- Blue (100%)



- Red (3%)
- Yellow (47%)
- Blue (100%)



- Cyan (97%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)





- Cyan (97%)
- Magenta (15%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 43.292, 224.473 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 80, 43.292, 224.473 by changing the saturation by 10% instead.


 80, 43.292,
224.473


 80, 43.292,
224.473


 100, 43.292,
224.473


 70, 43.292,
224.473

 60, 43.292,
224.473

 50, 43.292,
224.473

 40, 43.292,
224.473

 30, 43.292,
224.473

 20, 43.292,
224.473

 10, 43.292,

224.473

■ 0, 43.292, 224.473

■ 80, 43.292,
224.473

■ 80, 43.292,
224.473

■ 80, 43.404,
225.319

■ 81, 42.645,
221.736

■ 83, 41.167,
219.519

■ 84, 38.719,
217.782

■ 86, 35.263,
216.459

■ 88, 30.834,
215.485

■ 90, 25.517,
214.796

■ 92, 19.426,
214.340

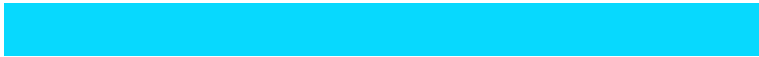
■ 95, 12.688,
214.076

■ 98, 5.427, 214.008

Harmonies

Complementary

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



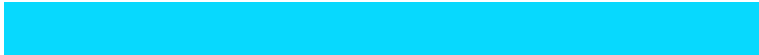
80, 43.292, 224.473



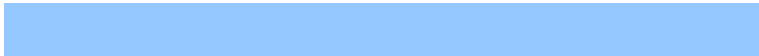
55, 99.397, 41.634

Rectangle

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



80, 43.292, 224.473



80, 43.292, 274.473



80, 43.292, 44.473



80, 43.292, 94.473

Sweetspot

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



80, 43.291, 224.473



92, 20.707, 214.410



87, 114.264, 137.681



48, 13.966, 214.596



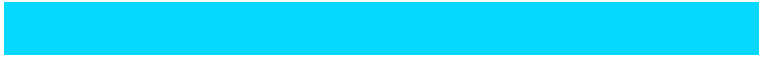
0, 0.000, 0.000



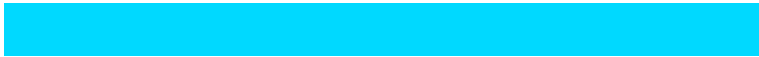
53, 0.007, 296.813

Same Dimension

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



80, 43.291, 224.473



80, 43.567, 225.327



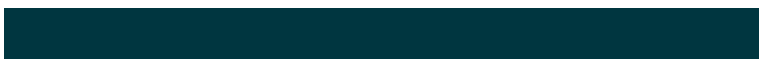
46, 93.837, 295.373



52, 4.324, 214.000



61, 35.104, 224.762



20, 16.231, 220.890

Inverse Universe

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



58, 102.000, 335.205



58, 102.535, 335.433



75, 81.419, 74.201



50, 8.166, 329.393



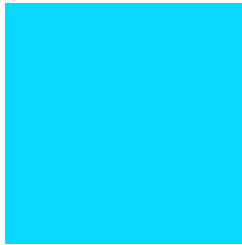
44, 82.752, 335.289



12, 38.606, 334.314

Previews

White Background



This preview shows how the CIE LCh color 80, 43.292, 224.473 looks on a white background.

Color Contrast Check

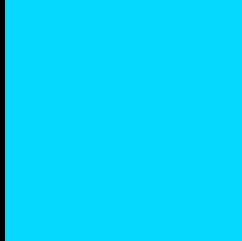
Large Text (above 18pt) WCAG AA × Fail

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 80, 43.292, 224.473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

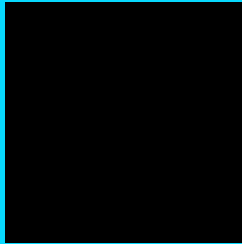
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 43.292, 224.473

Background



This preview shows how black text looks on a background with the CIELCh color 80, 43.292, 224.473.

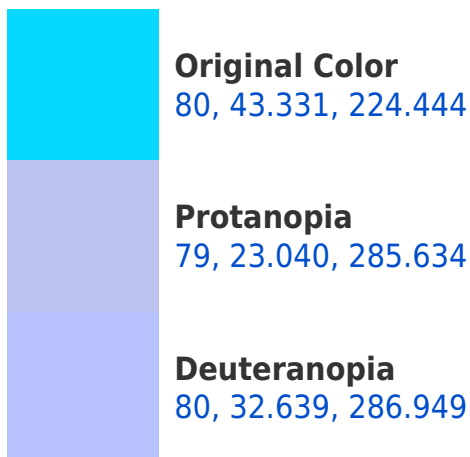


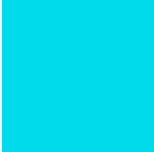
This preview shows how white text looks on a background with the CIELCh color 80, 43.292, 224.473.

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
80, 43.108, 208.945

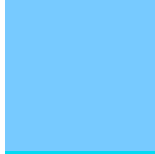
Trichromacy



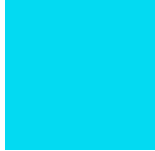
Original Color
80, 43.331, 224.444



Protanomaly
78, 31.106, 243.537



Deuteranomaly
78, 35.435, 252.185

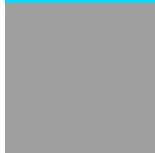


Tritanomaly
80, 42.806, 214.397

Monochromacy



Original Color
80, 43.331, 224.444



Achromatopsia
65, 0.008, 296.813



Achromatomaly
69, 24.518, 216.135

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 43.292, 224.473 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(7, 217, 254)` looks like.

```
.text, #text, p{  
    color:rgb(7, 217, 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(7, 217, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 217, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 43.292, 224.473 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(7, 217, 254) }
```

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

```
.border{ border-color:rgb(7, 217, 254) }
```

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

Here you see how a box with a 4 pixel rgb(7, 217, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 217, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 217, 254);  
box-shadow:4px 4px 4px 4px rgb(7, 217,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 43.292, 224.473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 217, 254) }
```

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

```
.background{ background-color: rgb(7, 217,  
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