

Converting Colors

CIELCh(79, 47.712, 223.900)

Have a look what the booklet for
CIELCh(79, 47.712, 223.900)
contains.

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Color

CIELCh(80, 43.553, 225.953)

Conversions

Conversions Part 1

Format	Color
Hex	04D9FF
RGB	4, 217, 255
RGB Percent	2%, 85%, 100%
CMY	0.9844, 0.1507, 0.0000
CMYK	0.98, 0.15, 0.00, 0.00
HSL	189°, 100%, 51%
HSV	189°, 98%, 100%
XYZ	42.8912, 56.6813, 103.7743
YIQ	157.6450, -139.1460, -33.3380

Conversions

Conversions Part 2

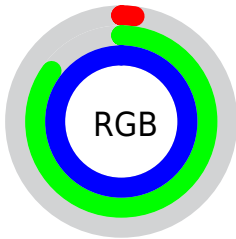
Format	Color
RYB	4, 119, 255
Decimal	317951
CIELab	80.00, -30.28, -31.30
CIELCh	80, 43.553, 225.953
Yxy	56.6813, 0.2109, 0.2787
Android (android.graphics.Color)	4278508031 (0xFF04D9FF)
YUV	157.6450, 47.9960, -134.7467
Hunter-Lab	75.2870, -30.0602, -29.0235

Details

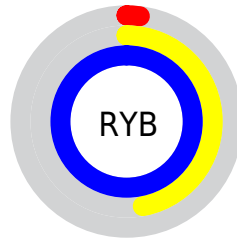
The CIELCh color **80, 43.553, 225.953** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **55, 100.551, 41.757**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.067, 197.028**, and **62, 36.080, 231.780** is the 20% darker color. If you saturate the color by 10%, you get **80, 43.552, 225.994**, and if you desaturate by 10%, it is **81, 42.898, 222.665**.

Distribution



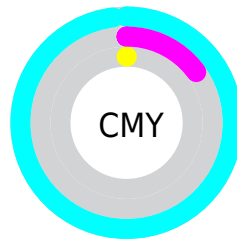
- Red (2%)
- Green (85%)
- Blue (100%)



- Red (2%)
- Yellow (47%)
- Blue (100%)



- Cyan (98%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)





- Cyan (98%)
- Magenta (15%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 43.553, 225.953 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, 43.553, 225.953 by changing the saturation by 10% instead.


 80, 43.553,
225.953


 80, 43.553,
225.953


 100, 43.553,
225.953


 70, 43.553,
225.953

 60, 43.553,
225.953

 50, 43.553,
225.953

 40, 43.553,
225.953

 30, 43.553,
225.953

 20, 43.553,
225.953

 10, 43.553,

225.953

■ 0, 43.553, 225.953

■ 80, 43.553,
225.953

■ 80, 43.553,
225.953

■ 80, 43.552,
225.994

■ 81, 42.898,
222.665

■ 83, 41.525,
220.323

■ 84, 39.195,
218.479

■ 86, 35.857,
217.067

■ 88, 31.538,
216.019

■ 90, 26.318,
215.270

■ 93, 20.309,
214.764

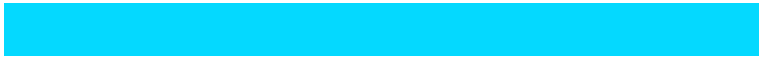
■ 95, 13.635,
214.458

■ 98, 6.422, 214.342

Harmonies

Complementary

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



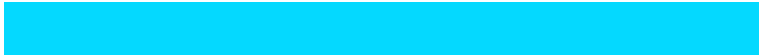
80, 43.553, 225.953



55, 100.551, 41.757

Rectangle

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



80, 43.553, 225.953



80, 43.553, 275.953



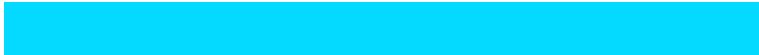
80, 43.553, 45.953



80, 43.553, 95.953

Sweetspot

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



80, 43.486, 225.525



92, 21.295, 214.829



88, 115.294, 137.523



48, 14.279, 215.029



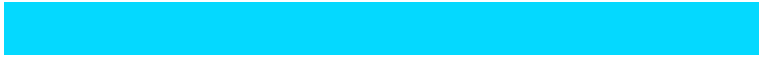
0, 0.000, 0.000



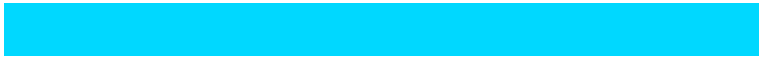
53, 0.007, 296.813

Same Dimension

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



80, 43.486, 225.525



80, 43.552, 225.994



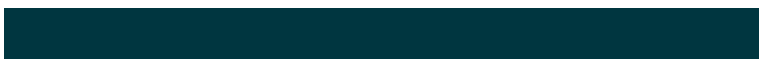
45, 95.596, 295.850



52, 4.315, 214.343



61, 35.089, 225.416



20, 16.215, 221.455

Inverse Universe

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



58, 102.213, 335.478



58, 102.293, 335.604



75, 82.074, 73.835



50, 8.148, 329.493



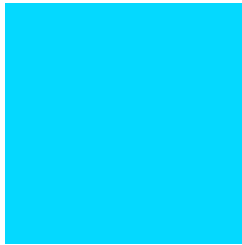
44, 82.560, 335.456



12, 38.526, 334.456

Previews

White Background



This preview shows how the CIE LCh color 80, 43.553, 225.953 looks on a white background.

Color Contrast Check

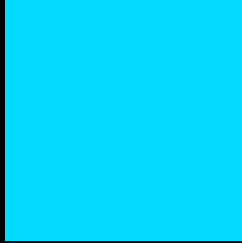
Large Text (above 18pt) WCAG AA × Fail

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, 43.553, 225.953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

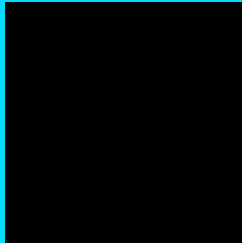
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 43.553, 225.953

Background



This preview shows how black text looks on a background with the CIELCh color 80, 43.553, 225.953.



This preview shows how white text looks on a background with the CIELCh color 80, 43.553, 225.953.

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

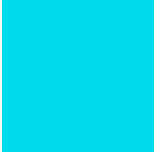
80, 43.496, 225.145

Protanopia

80, 24.096, 286.044

Deuteranopia

80, 32.639, 286.949



Tritanopia
80, 43.108, 208.945

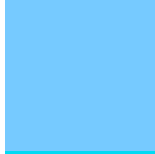
Trichromacy



Original Color
80, 43.496, 225.145



Protanomaly
78, 31.728, 243.785



Deuteranomaly
78, 35.563, 251.902

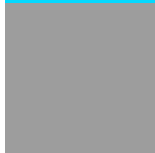


Tritanomaly
80, 42.865, 215.143

Monochromacy



Original Color
80, 43.496, 225.145



Achromatopsia
65, 0.008, 296.813



Achromatomaly
69, 24.978, 215.752

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 43.553, 225.953 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(4, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(4, 217, 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(4, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 217, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 43.553, 225.953 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(4, 217, 255) }
```

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

```
.border{ border-color:rgb(4, 217, 255) }
```

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

Here you see how a box with a 4 pixel rgb(4, 217, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 217, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 217, 255);  
box-shadow:4px 4px 4px 4px rgb(4, 217,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 43.553, 225.953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 217, 255) }
```

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

```
.background{ background-color: rgb(4, 217,  
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](#).

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