

Converting Colors

CIELCh(82, 58.017, 258.736)

Have a look what the booklet for
CIELCh(82, 58.017, 258.736)
contains.

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Color

CIELCh(80, 43.360, 226.104)

Conversions

Conversions Part 1

Format	Color
Hex	0DD8FF
RGB	13, 216, 255
RGB Percent	5%, 85%, 100%
CMY	0.9489, 0.1511, 0.0000
CMYK	0.95, 0.15, 0.00, 0.00
HSL	190°, 100%, 53%
HSV	190°, 95%, 100%
XYZ	42.9639, 56.6813, 103.6804
YIQ	159.7490, -133.5070, -30.9070

Conversions

Conversions Part 2

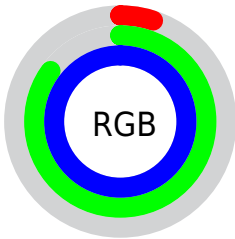
Format	Color
RYB	13, 123, 255
Decimal	907519
CIELab	80.00, -30.06, -31.25
CIELCh	80, 43.360, 226.104
Yxy	56.6813, 0.2113, 0.2788
Android (android.graphics.Color)	4279097599 (0xFF0DD8FF)
YUV	159.7490, 46.9587, -128.6989
Hunter-Lab	75.2870, -29.8879, -28.9495

Details

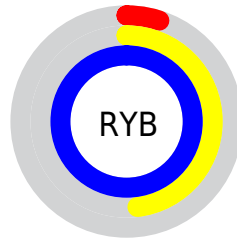
The CIELCh color **80, 43.360, 226.104** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **56, 97.941, 41.848**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 38.875, 197.039**, and **61, 36.134, 232.890** is the 20% darker color. If you saturate the color by 10%, you get **79, 43.538, 227.356**, and if you desaturate by 10%, it is **81, 42.438, 222.943**.

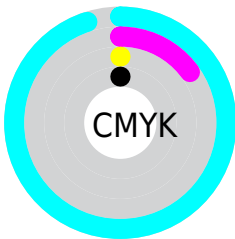
Distribution



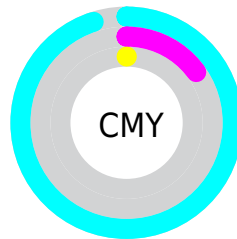
- Red (5%)
- Green (85%)
- Blue (100%)



- Red (5%)
- Yellow (48%)
- Blue (100%)



- Cyan (95%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)





- Cyan (95%)
- Magenta (15%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 43.360, 226.104 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, 43.360, 226.104 by changing the saturation by 10% instead.


 80, 43.360,
226.104


 80, 43.360,
226.104


 100, 43.360,
226.104


 70, 43.360,
226.104

 60, 43.360,
226.104

 50, 43.360,
226.104

 40, 43.360,
226.104

 30, 43.360,
226.104

 20, 43.360,
226.104

 10, 43.360,

226.104

■ 0, 43.360, 226.104

■ 80, 43.360,
226.104

■ 80, 43.360,
226.104

■ 79, 43.538,
227.356

■ 81, 42.438,
222.943

■ 83, 40.714,
220.679

■ 85, 38.016,
218.908

■ 86, 34.323,
217.562

■ 89, 29.680,
216.567

■ 91, 24.180,
215.861

■ 93, 17.942,
215.390

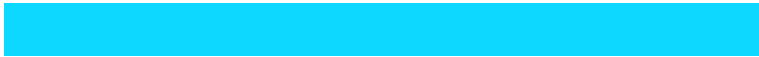
■ 96, 11.089,
215.113

■ 99, 3.743, 215.074

Harmonies

Complementary

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



80, 43.360, 226.104



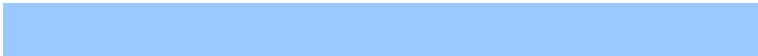
56, 97.941, 41.848

Rectangle

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



80, 43.360, 226.104



80, 43.360, 276.104



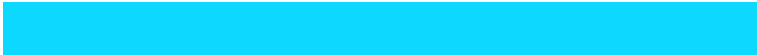
80, 43.360, 46.104



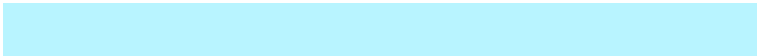
80, 43.360, 96.104

Sweetspot

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



80, 43.304, 225.754



93, 19.951, 215.514



88, 113.636, 137.963



48, 13.541, 215.719



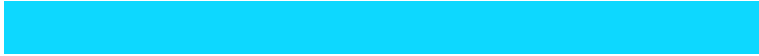
0, 0.000, 0.000



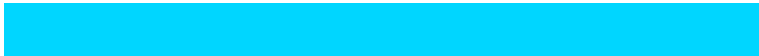
53, 0.007, 296.813

Same Dimension

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



80, 43.304, 225.754



79, 43.538, 227.356



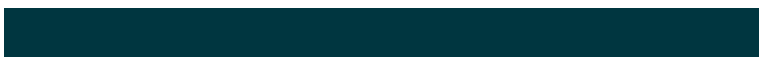
47, 91.880, 294.563



52, 4.297, 215.046



61, 35.070, 226.753



20, 16.187, 222.611

Inverse Universe

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



59, 101.549, 335.524



58, 101.804, 335.955



76, 81.150, 74.803



50, 8.113, 329.697



44, 82.171, 335.799



12, 38.365, 334.745

Previews

White Background



This preview shows how the CIE LCh color 80, 43.360, 226.104 looks on a white background.

Color Contrast Check

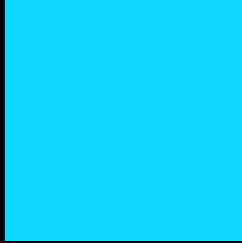
Large Text (above 18pt) WCAG AA × Fail

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, 43.360, 226.104 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

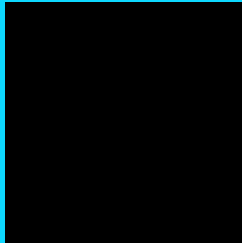
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 43.360, 226.104

Background



This preview shows how black text looks on a background with the CIELCh color 80, 43.360, 226.104.



This preview shows how white text looks on a background with the CIELCh color 80, 43.360, 226.104.

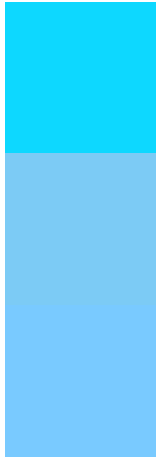
Color Blindness Simulation

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



Trichromacy

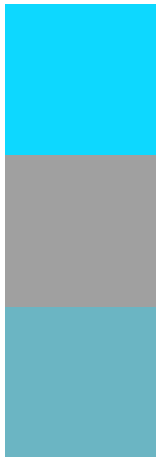


Original Color
80, 43.297, 226.153

Protanomaly
78, 31.099, 245.006

Deuteranomaly
78, 35.180, 252.764

Monochromacy



Original Color
80, 43.297, 226.153

Achromatopsia
66, 0.008, 296.813

Achromatomaly
70, 24.057, 216.502

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 43.360, 226.104 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(13, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(13, 216, 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(13, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 216, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 43.360, 226.104 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(13, 216, 255) }
```

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

```
.border{ border-color:rgb(13, 216, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 216, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 216, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 216, 255);  
box-shadow:4px 4px 4px 4px rgb(13, 216,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 43.360, 226.104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 216, 255) }
```

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

```
.background{ background-color: rgb(13, 216,  
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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