

Converting Colors

CIELCh(80, 43.095, 226.400)

Have a look what the booklet for
CIELCh(80, 43.095, 226.400)
contains.

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Color

CIELCh(80, 43.044, 226.354)

Conversions

Conversions Part 1

Format	Color
Hex	17D8FF
RGB	23, 216, 255
RGB Percent	9%, 85%, 100%
CMY	0.9091, 0.1518, 0.0000
CMYK	0.91, 0.15, 0.00, 0.00
HSL	190°, 100%, 55%
HSV	190°, 91%, 100%
XYZ	43.0831, 56.6813, 103.5259
YIQ	162.7390, -127.5470, -28.7870

Conversions

Conversions Part 2

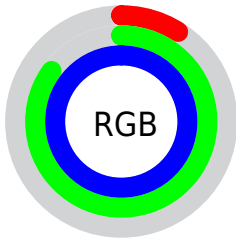
Format	Color
R _{YB}	23, 128, 255
Decimal	1562879
CIE _{Lab}	80.00, -29.71, -31.15
CIE _{LCh}	80, 43.044, 226.354
Y _{xy}	56.6813, 0.2119, 0.2788
Android (android.graphics.Color)	4279752959 (0xFF17D8FF)
YUV	162.7390, 45.4847, -122.5511
Hunter-Lab	75.2870, -29.6052, -28.8278

Details

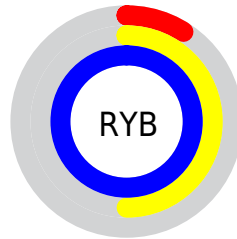
The CIELCh color **80, 43.044, 226.354** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **57, 94.381, 41.924**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 38.486, 197.062**, and **61, 36.134, 232.890** is the 20% darker color. If you saturate the color by 10%, you get **79, 43.554, 229.071**, and if you desaturate by 10%, it is **81, 41.775, 223.398**.

Distribution



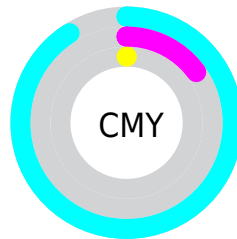
- Red (9%)
- Green (85%)
- Blue (100%)



- Red (9%)
- Yellow (50%)
- Blue (100%)



- Cyan (91%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)





- Cyan (91%)
- Magenta (15%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 43.044, 226.354 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, 43.044, 226.354 by changing the saturation by 10% instead.


 80, 43.044,
226.354


 80, 43.044,
226.354


 100, 43.044,
226.354


 70, 43.044,
226.354

 60, 43.044,
226.354

 50, 43.044,
226.354

 40, 43.044,
226.354

 30, 43.044,
226.354

 20, 43.044,
226.354

 10, 43.044,

226.354

■ 0, 43.044, 226.354

■ 80, 43.044,
226.354

■ 80, 43.044,
226.354

■ 79, 43.554,
229.071

■ 81, 41.775,
223.398

■ 83, 39.644,
221.215

■ 85, 36.534,
219.521

■ 87, 32.453,
218.240

■ 89, 27.466,
217.299

■ 92, 21.676,
216.634

■ 94, 15.204,
216.195

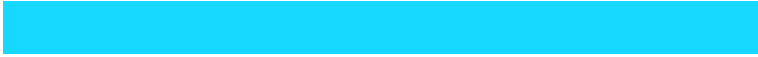
■ 97, 8.174, 215.952

■ 100, 0.701,
216.668

Harmonies

Complementary

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



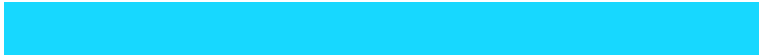
80, 43.044, 226.354



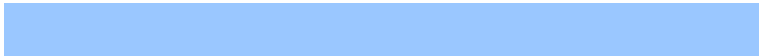
57, 94.381, 41.924

Rectangle

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



80, 43.044, 226.354



80, 43.044, 276.354



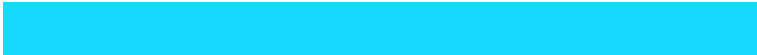
80, 43.044, 46.354



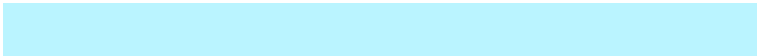
80, 43.044, 96.354

Sweetspot

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



80, 43.007, 226.133



93, 19.220, 216.438



88, 110.500, 138.863



48, 12.783, 216.608



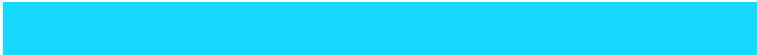
0, 0.000, 0.000



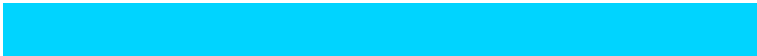
53, 0.007, 296.813

Same Dimension

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



80, 43.007, 226.133



79, 43.554, 229.071



48, 90.101, 294.099



52, 4.276, 215.936



60, 35.072, 228.436



20, 16.159, 224.070

Inverse Universe

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



59, 100.467, 335.600



58, 101.196, 336.401



78, 79.937, 77.339



50, 8.069, 329.956



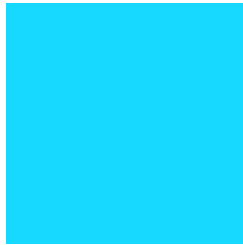
44, 81.688, 336.235



12, 38.164, 335.114

Previews

White Background



This preview shows how the CIE LCh color 80, 43.044, 226.354 looks on a white background.

Color Contrast Check

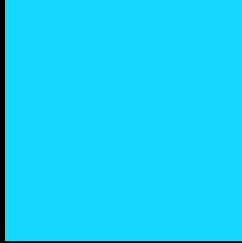
Large Text (above 18pt) WCAG AA × Fail

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, 43.044, 226.354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

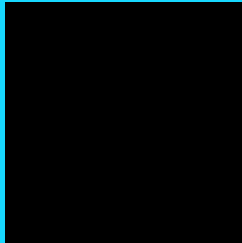
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 43.044, 226.354

Background



This preview shows how black text looks on a background with the CIELCh color 80, 43.044, 226.354.

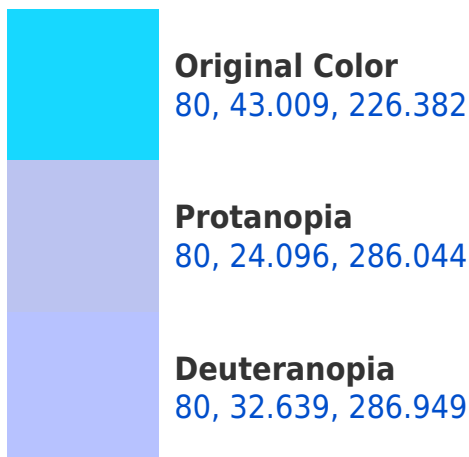


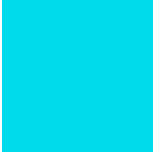
This preview shows how white text looks on a background with the CIELCh color 80, 43.044, 226.354.

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

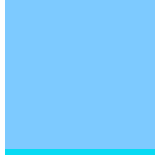
Trichromacy



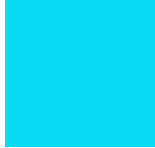
Original Color
80, 43.009, 226.382



Protanomaly
78, 30.624, 245.978



Deuteranomaly
78, 34.667, 253.972

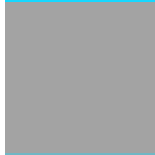


Tritanomaly
80, 42.713, 215.220

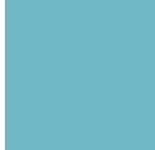
Monochromacy



Original Color
80, 43.009, 226.382



Achromatopsia
67, 0.008, 296.813



Achromatomaly
70, 23.099, 217.359

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 43.044, 226.354 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(23, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(23, 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(23, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 216, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 43.044, 226.354 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(23, 216, 255) }
```

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

```
.border{ border-color:rgb(23, 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(23, 216, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 216, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 216, 255);  
box-shadow:4px 4px 4px 4px rgb(23, 216,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 43.044, 226.354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 216, 255) }
```

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

```
.background{ background-color: rgb(23, 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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