

Converting Colors

CIELCh(83, 41.933, 219.246)

Have a look what the booklet for
CIELCh(83, 41.933, 219.246)
contains.

CIELCh(83, 41.914, 218.732)	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(83, 41.914, 218.732)

Conversions

Conversions Part 1

Format	Color
Hex	33E2FF
RGB	51, 226, 255
RGB Percent	20%, 89%, 100%
CMY	0.7981, 0.1148, 0.0011
CMYK	0.80, 0.11, 0.00, 0.00
HSL	189°, 100%, 60%
HSV	189°, 80%, 100%
XYZ	46.5167, 62.1629, 103.9207
YIQ	176.9810, -113.6090, -28.0810

Conversions

Conversions Part 2

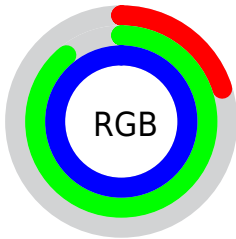
Format	Color
R _Y B	51, 145, 255
Decimal	3400447
CIE Lab	83.00, -32.70, -26.22
CIE LCh	83, 41.914, 218.732
Yxy	62.1629, 0.2188, 0.2924
Android (android.graphics.Color)	4281590527 (0xFF33E2FF)
YUV	176.9810, 38.4634, -110.4853
Hunter-Lab	78.8435, -32.6632, -22.9575

Details

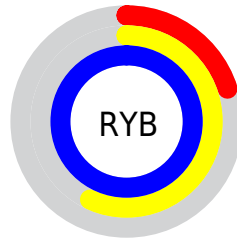
The CIELCh color **83, 41.914, 218.732** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **59, 83.580, 39.500**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 36.231, 197.196**, and **64, 36.090, 222.958** is the 20% darker color. If you saturate the color by 10%, you get **82, 43.123, 220.947**, and if you desaturate by 10%, it is **84, 39.741, 216.987**.

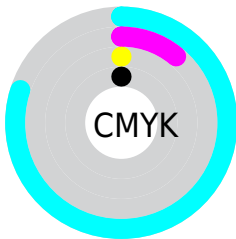
Distribution



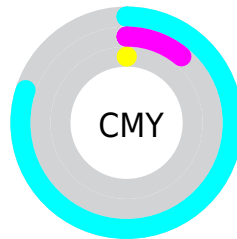
- Red (20%)
- Green (89%)
- Blue (100%)



- Red (20%)
- Yellow (57%)
- Blue (100%)



- Cyan (80%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)





- Cyan (80%)
- Magenta (11%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 41.914, 218.732 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 83, 41.914, 218.732 by changing the saturation by 10% instead.


 83, 41.914,
218.732


 83, 41.914,
218.732


 100, 41.914,
218.732


 73, 41.914,
218.732

 63, 41.914,
218.732

 53, 41.914,
218.732

 43, 41.914,
218.732

 33, 41.914,
218.732

 23, 41.914,
218.732

 13, 41.914,

218.732

■ 3, 41.914, 218.732

■ 0, 41.914, 218.732

■ 83, 41.914,
218.732

■ 83, 41.914,
218.732

■ 82, 43.123,
220.947

■ 84, 39.741,
216.987

■ 81, 43.583,
223.627

■ 86, 36.548,
215.655

■ 80, 43.591,
223.686

■ 88, 32.353,
214.671

■ 90, 27.231,
213.975

■ 92, 21.292,

213.515

■ 95, 14.664,
213.249

■ 97, 7.471, 213.159

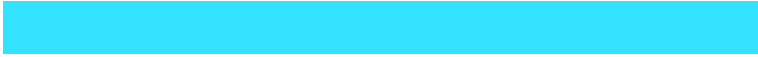
100, 0.076, 40.914

100, 0.128,
109.567

Harmonies

Complementary

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



83, 41.914, 218.732



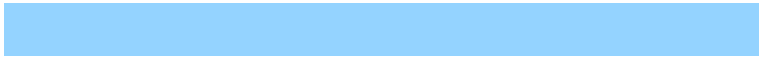
59, 83.580, 39.500

Rectangle

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



83, 41.914, 218.732



83, 41.914, 268.732



83, 41.914, 38.732



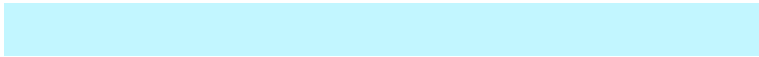
83, 41.914, 88.732

Sweetspot

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



83, 41.913, 218.731



94, 17.547, 213.339



88, 104.309, 139.744



49, 11.898, 213.440



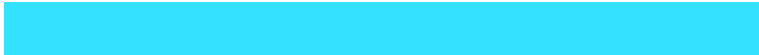
0, 0.000, 0.000



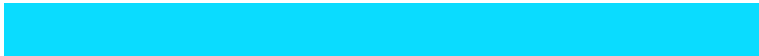
53, 0.007, 296.813

Same Dimension

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



83, 41.913, 218.731



81, 43.492, 222.577



55, 73.922, 287.687



52, 4.347, 213.159



62, 35.160, 223.154



20, 16.277, 219.503

Inverse Universe

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



61, 98.175, 333.603



59, 102.908, 334.722



79, 73.035, 76.733



50, 8.209, 329.149



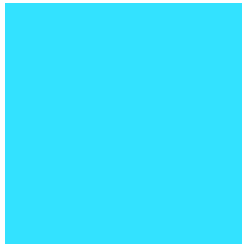
44, 83.230, 334.882



12, 38.803, 333.969

Previews

White Background



This preview shows how the CIELCh color 83, 41.914, 218.732 looks on a white background.

Color Contrast Check

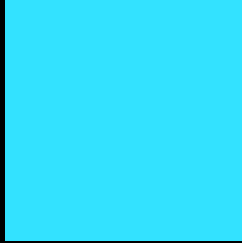
Large Text (above 18pt) WCAG AA × Fail

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 83, 41.914, 218.732 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 83, 41.914, 218.732

Background



This preview shows how black text looks on a background with the CIELCh color 83, 41.914, 218.732.

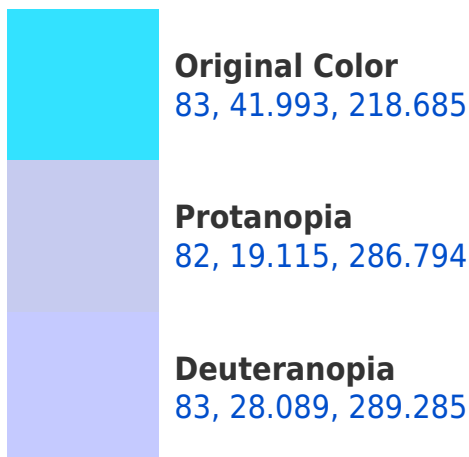


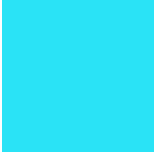
This preview shows how white text looks on a background with the CIELCh color 83, 41.914, 218.732.

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
83, 42.611, 210.600

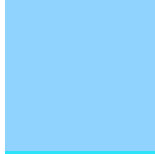
Trichromacy



Original Color
83, 41.993, 218.685



Protanomaly
81, 26.315, 242.044



Deuteranomaly
82, 29.826, 250.498

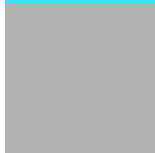


Tritanomaly
83, 42.382, 212.979

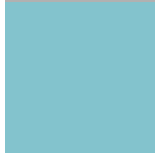
Monochromacy



Original Color
83, 41.993, 218.685



Achromatopsia
72, 0.009, 296.813



Achromatomaly
75, 21.220, 212.804

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 41.914, 218.732 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(51, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 226, 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(51, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 226, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 41.914, 218.732 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(51, 226, 255) }
```

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

```
.border{ border-color:rgb(51, 226, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 226, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 226, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 226, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 226,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 41.914, 218.732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 226, 255) }
```

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

```
.background{ background-color: rgb(51, 226,  
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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