

Converting Colors

CIELCh(83, 43.179, 218.111)

Have a look what the booklet for
CIELCh(83, 43.179, 218.111)
contains.

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Color

CIELCh(83, 43.102, 218.039)

Conversions

Conversions Part 1

Format	Color
Hex	23E2FF
RGB	35, 226, 255
RGB Percent	14%, 89%, 100%
CMY	0.8630, 0.1125, 0.0000
CMYK	0.86, 0.11, 0.00, 0.00
HSL	188°, 100%, 57%
HSV	188°, 86%, 100%
XYZ	46.0753, 62.1629, 104.4515
YIQ	172.1970, -123.1450, -31.4730

Conversions

Conversions Part 2

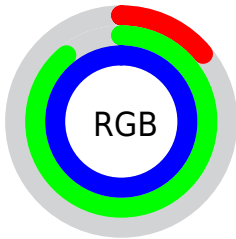
Format	Color
R_{YB}	35, 137, 255
Decimal	2351871
CIE _{Lab}	83.00, -33.95, -26.56
CIE _{LCh}	83, 43.102, 218.039
Yxy	62.1629, 0.2166, 0.2923
Android (android.graphics.Color)	4280541951 (0xFF23E2FF)
YUV	172.1970, 40.8219, -120.3218
Hunter-Lab	78.8435, -33.6627, -23.3567

Details

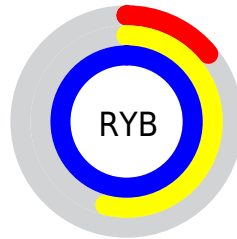
The CIELCh color **83, 43.102, 218.039** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **57, 91.349, 40.085**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 37.485, 197.121**, and **64, 36.090, 222.958** is the 20% darker color. If you saturate the color by 10%, you get **82, 43.697, 220.076**, and if you desaturate by 10%, it is **84, 41.581, 215.965**.

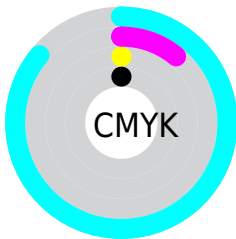
Distribution



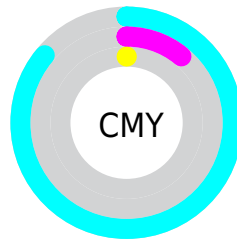
- Red (14%)
- Green (89%)
- Blue (100%)



- Red (14%)
- Yellow (54%)
- Blue (100%)



- Cyan (86%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)





- Cyan (86%)
- Magenta (11%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 43.102, 218.039 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, 43.102, 218.039 by changing the saturation by 10% instead.


 83, 43.102,
218.039


 83, 43.102,
218.039


 100, 43.102,
218.039


 73, 43.102,
218.039

 63, 43.102,
218.039

 53, 43.102,
218.039

 43, 43.102,
218.039

 33, 43.102,
218.039

 23, 43.102,
218.039

 13, 43.102,

218.039

■ 3, 43.102, 218.039

■ 0, 43.102, 218.039

■ 83, 43.102,
218.039

■ 83, 43.102,
218.039

■ 82, 43.697,
220.076

■ 84, 41.581,
215.965

■ 81, 43.795,
220.999

■ 86, 39.064,
214.549

■ 87, 35.506,
213.491

■ 89, 30.950,
212.733

■ 91, 25.489,

212.223

■ 93, 19.241,
211.917

■ 96, 12.337,
211.782

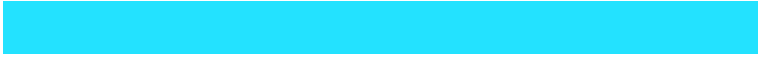
■ 98, 4.904, 211.835

100, 0.012,
296.813

Harmonies

Complementary

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



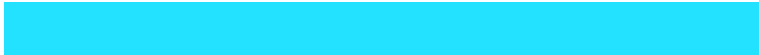
83, 43.102, 218.039



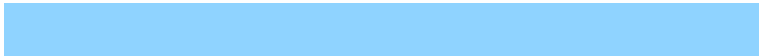
57, 91.349, 40.085

Rectangle

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



83, 43.102, 218.039



83, 43.102, 268.039



83, 43.102, 38.039



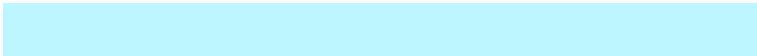
83, 43.102, 88.039

Sweetspot

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



83, 43.085, 217.794



94, 19.042, 211.911



88, 110.317, 138.454



49, 12.738, 211.994



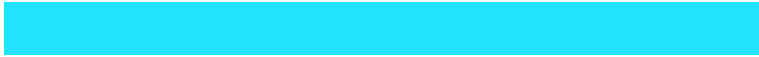
0, 0.000, 0.000



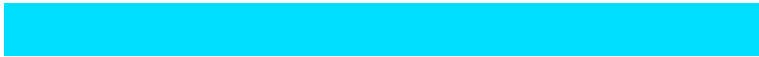
53, 0.007, 296.813

Same Dimension

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



83, 43.085, 217.794



81, 43.795, 220.999



53, 78.331, 289.003



52, 4.387, 211.787



63, 35.307, 220.519



21, 16.372, 217.235

Inverse Universe

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



60, 101.963, 333.457



59, 104.145, 334.342



76, 77.182, 73.880



50, 8.280, 328.751



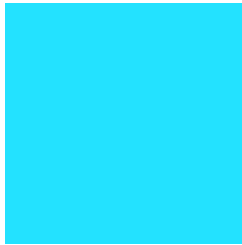
44, 84.031, 334.222



12, 39.133, 333.409

Previews

White Background



This preview shows how the CIE LCh color 83, 43.102, 218.039 looks on a white background.

Color Contrast Check

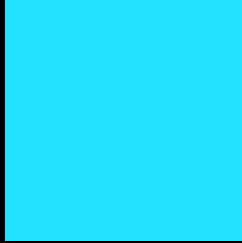
Large Text (above 18pt) WCAG AA × Fail

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, 43.102, 218.039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

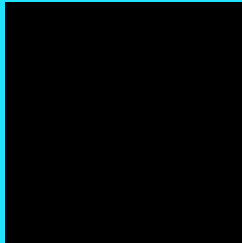
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 43.102, 218.039

Background



This preview shows how black text looks on a background with the CIELCh color 83, 43.102, 218.039.



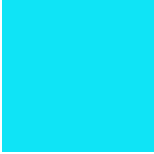
This preview shows how white text looks on a background with the CIELCh color 83, 43.102, 218.039.

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, 44.083, 209.314

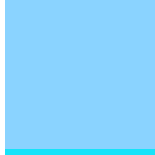
Trichromacy



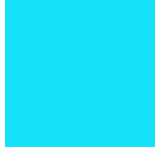
Original Color
83, 43.049, 218.069



Protanomaly
81, 27.445, 239.779



Deuteranomaly
81, 30.763, 248.287

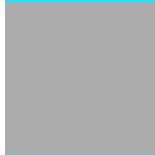


Tritanomaly
83, 43.633, 212.434

Monochromacy



Original Color
83, 43.049, 218.069



Achromatopsia
70, 0.009, 296.813



Achromatomaly
74, 22.813, 211.666

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 43.102, 218.039 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(35, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(35, 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(35, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 226, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 43.102, 218.039 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(35, 226, 255) }
```

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

```
.border{ border-color:rgb(35, 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(35, 226, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 226, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 226, 255);  
box-shadow:4px 4px 4px 4px rgb(35, 226,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 43.102, 218.039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 226, 255) }
```

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

```
.background{ background-color: rgb(35, 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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