

Converting Colors

CIELCh(83, 44.634, 206.312)

Have a look what the booklet for
CIELCh(83, 44.634, 206.312)
contains.

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Color

CIELCh(83, 44.567, 206.291)

Conversions

Conversions Part 1

Format	Color
Hex	05E4F2
RGB	5, 228, 242
RGB Percent	2%, 89%, 95%
CMY	0.9816, 0.1044, 0.0495
CMYK	0.98, 0.06, 0.00, 0.05
HSL	184°, 96%, 48%
HSV	184°, 98%, 95%
XYZ	43.9924, 62.1629, 93.9884
YIQ	162.9190, -137.4020, -42.9220

Conversions

Conversions Part 2

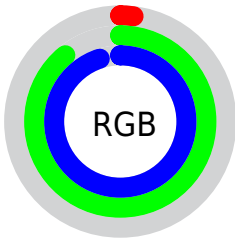
Format	Color
R _Y B	5, 120, 242
Decimal	386290
CIE Lab	83.00, -39.96, -19.74
CIE LCh	83, 44.567, 206.291
Yxy	62.1629, 0.2198, 0.3106
Android (android.graphics.Color)	4278576370 (0xFF05E4F2)
YUV	162.9190, 38.9869, -138.4950
Hunter-Lab	78.8435, -38.3782, -15.4885

Details

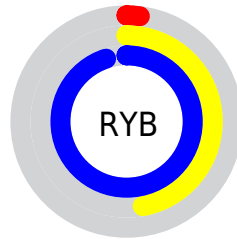
The CIELCh color **83, 44.567, 206.291** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light saturated cyan. A complement of this color would be **51, 98.818, 40.096**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.257, 197.016**, and **64, 35.984, 209.354** is the 20% darker color. If you saturate the color by 10%, you get **83, 44.612, 206.473**, and if you desaturate by 10%, it is **84, 44.091, 205.401**.

Distribution



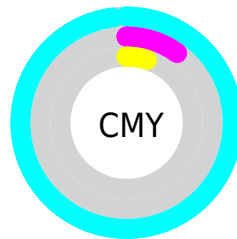
- Red (2%)
- Green (89%)
- Blue (95%)



- Red (2%)
- Yellow (47%)
- Blue (95%)



- Cyan (98%)
- Magenta (6%)
- Yellow (0%)
- Black (5%)




- Cyan (98%)
- Magenta (10%)
- Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 44.567, 206.291 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, 44.567, 206.291 by changing the saturation by 10% instead.


 83, 44.567,
206.291


 83, 44.567,
206.291


 100, 44.567,
206.291


 73, 44.567,
206.291

 63, 44.567,
206.291

 53, 44.567,
206.291

 43, 44.567,
206.291

 33, 44.567,
206.291

 23, 44.567,
206.291

 13, 44.567,

206.291

■ 3, 44.567, 206.291

■ 0, 44.567, 206.291

■ 83, 44.567,
206.291

■ 83, 44.567,
206.291

■ 83, 44.612,
206.473

■ 84, 44.091,
205.401

■ 84, 42.734,
204.713

■ 85, 40.356,
204.223

■ 86, 36.919,
203.915

■ 87, 32.456,

203.767

■ 89, 27.049,
203.761

■ 90, 20.813,
203.875

■ 92, 13.877,
204.096

■ 94, 6.376, 204.435

Harmonies

Complementary

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



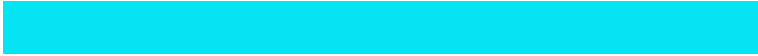
83, 44.567, 206.291



51, 98.818, 40.096

Rectangle

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



83, 44.567, 206.291



83, 44.567, 256.291



83, 44.567, 26.291



83, 44.567, 76.291

Sweetspot

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



83, 44.566, 206.290



94, 22.320, 203.858



84, 113.991, 136.382



50, 15.048, 203.801



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, 44.566, 206.290



87, 46.350, 206.503



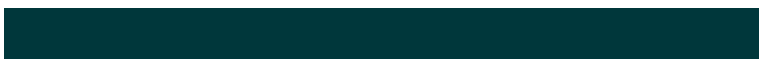
49, 76.427, 288.573



50, 4.512, 204.376



65, 36.635, 206.295



20, 16.435, 204.886

Inverse Universe

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



57, 105.869, 330.712



59, 110.250, 330.775



67, 79.980, 64.743



48, 8.414, 326.577



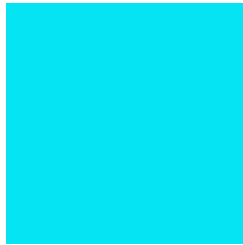
44, 87.108, 330.724



11, 38.967, 330.376

Previews

White Background



This preview shows how the CIE LCh color 83, 44.567, 206.291 looks on a white background.

Color Contrast Check

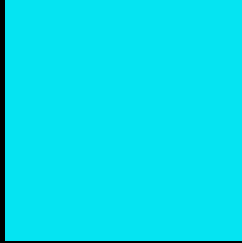
Large Text (above 18pt) WCAG AA × Fail

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, 44.567, 206.291 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

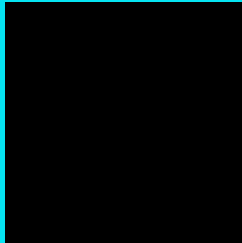
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 44.567, 206.291

Background



This preview shows how black text looks on a background with the CIELCh color 83, 44.567, 206.291.

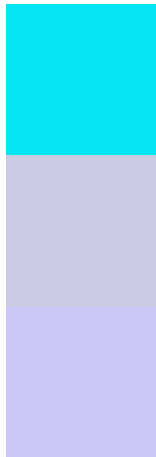


This preview shows how white text looks on a background with the CIELCh color 83, 44.567, 206.291.

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

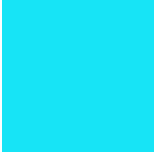
83, 44.500, 206.310

Protanopia

82, 12.193, 289.613

Deuteranopia

82, 26.040, 294.586

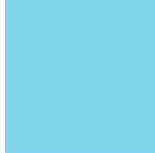


Tritanopia
83, 43.815, 209.408

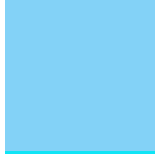
Trichromacy



Original Color
83, 44.500, 206.310



Protanomaly
81, 26.610, 221.628



Deuteranomaly
81, 29.573, 240.308

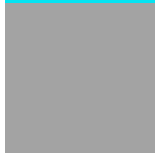


Tritanomaly
83, 44.090, 208.587

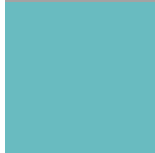
Monochromacy



Original Color
83, 44.500, 206.310



Achromatopsia
67, 0.008, 296.813



Achromatomaly
71, 25.824, 203.586

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 44.567, 206.291 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(5, 228, 242)` looks like.

```
.text, #text, p{  
    color:rgb(5, 228, 242)  
}
```

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(5, 228, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 228, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 44.567, 206.291 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(5, 228, 242) }
```

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

```
.border{ border-color:rgb(5, 228, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 228, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 228, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 228, 242);  
box-shadow:4px 4px 4px 4px rgb(5, 228,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 44.567, 206.291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 228, 242) }
```

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

```
.background{ background-color: rgb(5, 228,  
242) }
```

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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