

Converting Colors

CIELCh(83, 38.649, 196.838)

Have a look what the booklet for
CIELCh(83, 38.649, 196.838)
contains.

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Color

CIELCh(83, 38.520, 196.844)

Conversions

Conversions Part 1

Format	Color
Hex	57E2E2
RGB	87, 226, 226
RGB Percent	34%, 89%, 89%
CMY	0.6570, 0.1122, 0.1122
CMYK	0.61, 0.00, 0.00, 0.11
HSL	180°, 71%, 62%
HSV	180°, 61%, 89%
XYZ	45.0551, 62.1629, 81.8504
YIQ	184.4390, -82.8440, -29.4680

Conversions

Conversions Part 2

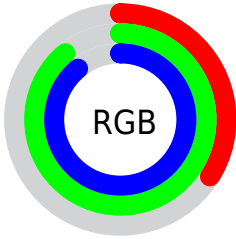
Format	Color
RYB	87, 157, 226
Decimal	5759714
CIELab	83.00, -36.87, -11.16
CIElCh	83, 38.520, 196.844
Yxy	62.1629, 0.2383, 0.3288
Android (android.graphics.Color)	4283949794 (0xFF57E2E2)
YUV	184.4390, 20.4896, -85.4540
Hunter-Lab	78.8435, -35.9724, -6.3607

Details

The CIELCh color **83, 38.520, 196.844** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **56, 61.186, 27.939**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 31.646, 197.470**, and **63, 36.838, 197.287** is the 20% darker color. If you saturate the color by 10%, you get **83, 41.754, 196.636**, and if you desaturate by 10%, it is **84, 34.282, 197.116**.

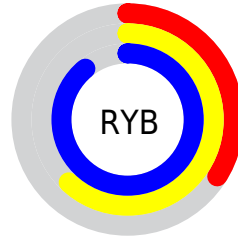
Distribution



Red (34%)

Green (89%)

Blue (89%)



Red (34%)

Yellow (62%)

Blue (89%)

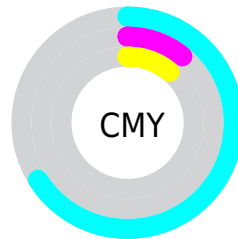


Cyan (61%)

Magenta (0%)

Yellow (0%)

Black (11%)



Cyan (66%)

Magenta (11%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 38.520, 196.844 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, 38.520, 196.844 by changing the saturation by 10% instead.

■ 83, 38.520,
196.844

■ 83, 38.520,
196.844

■ 100, 38.520,
196.844

■ 73, 38.520,
196.844

■ 63, 38.520,
196.844

■ 53, 38.520,
196.844

■ 43, 38.520,
196.844

■ 33, 38.520,
196.844

■ 23, 38.520,
196.844

■ 13, 38.520,

196.844

■ 3, 38.520, 196.844

■ 0, 38.520, 196.844

■ 83, 38.520,
196.844

■ 83, 38.520,
196.844

■ 83, 41.754,
196.636

■ 84, 34.282,
197.116

■ 82, 43.983,
196.495

■ 85, 29.098,
197.455

■ 82, 45.272,
196.414

■ 86, 23.063,
197.858

■ 82, 45.805,
196.380

■ 87, 16.297,
198.321

■ 88, 8.932, 198.853

■ 90, 1.096, 199.879

■ 92, 7.091, 19.814

■ 92, 10.440, 20.077

■ 92, 10.440, 20.074

Harmonies

Complementary

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



83, 38.520, 196.844



56, 61.186, 27.939

Rectangle

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



83, 38.520, 196.844



83, 38.520, 246.844



83, 38.520, 16.844



83, 38.520, 66.844

Sweetspot

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



83, 38.520, 196.842



97, 15.282, 198.485



80, 84.335, 138.768



51, 10.520, 198.337



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, 38.520, 196.842



92, 46.563, 196.585



64, 40.755, 266.636



46, 4.454, 198.967



65, 37.941, 196.380



17, 15.585, 196.381

Inverse Universe

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



56, 61.186, 27.939



58, 82.557, 32.099



70, 49.768, 66.035



44, 4.728, 19.930



36, 79.112, 39.951



6, 25.541, 20.937

Previews

White Background



This preview shows how the CIE LCh color 83, 38.520, 196.844 looks on a white background.

Color Contrast Check

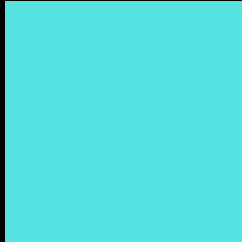
Large Text (above 18pt) WCAG AA × Fail

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, 38.520, 196.844 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, 38.520, 196.844

Background



This preview shows how black text looks on a background with the CIELCh color 83, 38.520, 196.844.

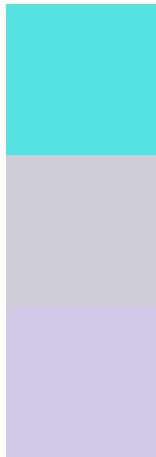


This preview shows how white text looks on a background with the CIELCh color 83, 38.520, 196.844.

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, 38.520, 196.844

Protanopia

83, 4.906, 303.264

Deuteranopia

82, 17.541, 305.331



Tritanopia
83, 35.900, 212.747

Trichromacy



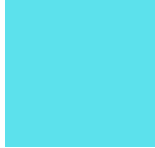
Original Color
83, 38.520, 196.844



Protanomaly
82, 16.302, 209.649



Deuteranomaly
82, 17.323, 236.595

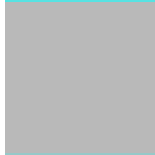


Tritanomaly
83, 36.636, 206.294

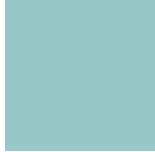
Monochromacy



Original Color
83, 38.520, 196.844



Achromatopsia
75, 0.009, 296.813



Achromatomaly
77, 17.042, 198.158

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 38.520, 196.844 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(87, 226, 226)` looks like.

```
.text, #text, p{  
    color:rgb(87, 226, 226)  
}
```

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(87, 226, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 226, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 38.520, 196.844 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(87, 226, 226) }
```

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

```
.border{ border-color:rgb(87, 226, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 226, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 226, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 226, 226);  
box-shadow:4px 4px 4px 4px rgb(87, 226,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 38.520, 196.844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 226, 226) }
```

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

```
.background{ background-color: rgb(87, 226,  
226) }
```

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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