

Converting Colors

CIELCh(83, 49.118, 180.915)

Have a look what the booklet for
CIELCh(83, 49.118, 180.915)
contains.

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Color

CIELCh(83, 49.045, 181.046)

Conversions

Conversions Part 1

Format	Color
Hex	30E7CF
RGB	48, 231, 207
RGB Percent	19%, 91%, 81%
CMY	0.8131, 0.0948, 0.1889
CMYK	0.79, 0.00, 0.10, 0.09
HSL	172°, 79%, 55%
HSV	172°, 79%, 91%
XYZ	40.9662, 62.1629, 68.7556
YIQ	173.5470, -101.3640, -46.2600

Conversions

Conversions Part 2

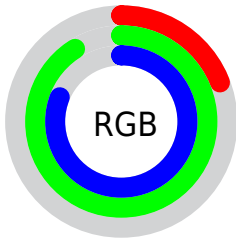
Format	Color
RYB	48, 146, 231
Decimal	3205071
CIELab	83.00, -49.04, -0.90
CIELCh	83, 49.045, 181.046
Yxy	62.1629, 0.2383, 0.3617
Android (android.graphics.Color)	4281395151 (0xFF30E7CF)
YUV	173.5470, 16.4923, -110.1047
Hunter-Lab	78.8435, -45.2295, 3.4865

Details

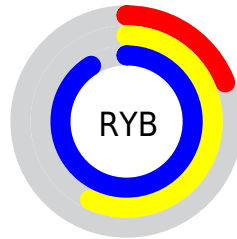
The CIELCh color **83, 49.045, 181.046** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **51, 75.930, 25.152**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 37.280, 197.133**, and **64, 42.299, 179.751** is the 20% darker color. If you saturate the color by 10%, you get **83, 51.396, 179.736**, and if you desaturate by 10%, it is **83, 45.726, 182.234**.

Distribution



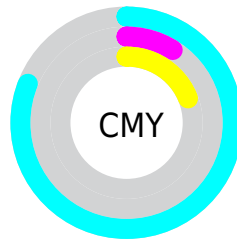
- Red (19%)
- Green (91%)
- Blue (81%)



- Red (19%)
- Yellow (57%)
- Blue (91%)



- Cyan (79%)
- Magenta (0%)
- Yellow (10%)
- Black (9%)




- Cyan (81%)
- Magenta (9%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 49.045, 181.046 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, 49.045, 181.046 by changing the saturation by 10% instead.


 83, 49.045,
181.046


 83, 49.045,
181.046


 100, 49.045,
181.046


 73, 49.045,
181.046

 63, 49.045,
181.046

 53, 49.045,
181.046

 43, 49.045,
181.046

 33, 49.045,
181.046

 23, 49.045,
181.046

 13, 49.045,

181.046

■ 3, 49.045, 181.046

■ 0, 49.045, 181.046

■ 83, 49.045,
181.046

■ 83, 49.045,
181.046

■ 83, 51.396,
179.736

■ 83, 45.726,
182.234

■ 83, 52.949,
178.311

■ 84, 41.410,
183.324

■ 83, 53.040,
178.219

■ 85, 36.138,
184.336

■ 86, 30.002,
185.287

■ 87, 23.126,

186.196

■ 88, 15.651,
187.076

■ 90, 7.717, 187.956

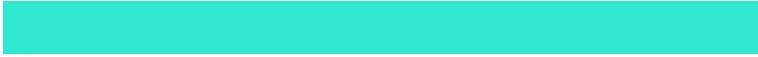
■ 92, 0.546, 7.620

■ 94, 8.881, 9.252

Harmonies

Complementary

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



83, 49.045, 181.046



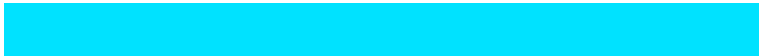
51, 75.930, 25.152

Rectangle

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



83, 49.045, 181.046



83, 49.045, 231.046



83, 49.045, 1.046



83, 49.045, 51.046

Sweetspot

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



83, 49.045, 181.045



96, 20.798, 186.658



81, 100.483, 135.488



51, 14.150, 186.342



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, 49.045, 181.045



90, 56.513, 178.864



64, 43.670, 258.161



47, 4.664, 187.947



65, 43.646, 178.480



18, 17.888, 180.939

Inverse Universe

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



51, 75.930, 25.152



54, 94.960, 32.844



61, 68.817, 53.638



45, 4.879, 9.411



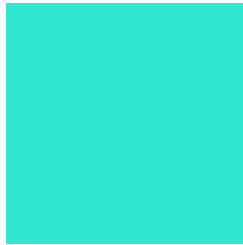
37, 74.321, 33.996



6, 26.758, 16.318

Previews

White Background



This preview shows how the CIELCh color 83, 49.045, 181.046 looks on a white background.

Color Contrast Check

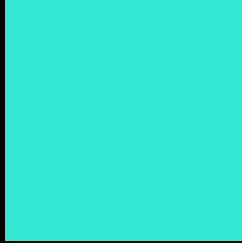
Large Text (above 18pt) WCAG AA × Fail

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, 49.045, 181.046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

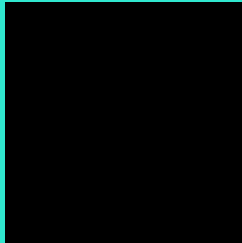
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

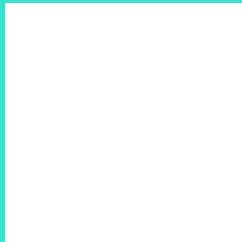
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 49.045, 181.046

Background



This preview shows how black text looks on a background with the CIELCh color 83, 49.045, 181.046.

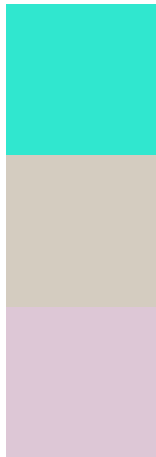


This preview shows how white text looks on a background with the CIELCh color 83, 49.045, 181.046.

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](#).

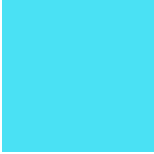
Dichromacy



Original Color
83, 49.045, 181.046

Protanopia
82, 6.988, 84.184

Deuteranopia
82, 11.299, 335.692



Tritanopia
83, 39.162, 212.051

Trichromacy



Original Color
83, 49.045, 181.046



Protanomaly
81, 23.382, 174.949



Deuteranomaly
81, 17.872, 198.149

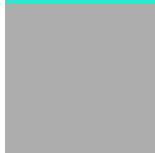


Tritanomaly
83, 41.600, 198.889

Monochromacy



Original Color
83, 49.045, 181.046



Achromatopsia
71, 0.009, 296.813



Achromatomaly
74, 23.318, 185.476

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 49.045, 181.046 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(48, 231, 207)` looks like.

```
.text, #text, p{  
    color:rgb(48, 231, 207)  
}
```

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(48, 231, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 231, 207) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 49.045, 181.046 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(48, 231, 207) }
```

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

```
.border{ border-color:rgb(48, 231, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 231, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 231, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 231, 207);  
box-shadow:4px 4px 4px 4px rgb(48, 231,  
207) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 49.045, 181.046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 231, 207) }
```

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

```
.background{ background-color: rgb(48, 231,  
207) }
```

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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