

Converting Colors

CIELCh(83, 27.646, 194.306)

Have a look what the booklet for
CIELCh(83, 27.646, 194.306)
contains.

CIELCh(83, 27.351, 195.295)	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, 27.351, 195.295)

Conversions

Conversions Part 1

Format	Color
Hex	87DDDB
RGB	135, 221, 219
RGB Percent	53%, 87%, 86%
CMY	0.4695, 0.1322, 0.1401
CMYK	0.39, 0.00, 0.01, 0.13
HSL	179°, 56%, 70%
HSV	179°, 39%, 87%
XYZ	48.7890, 62.1629, 76.6357
YIQ	195.0580, -50.6140, -18.8540

Conversions

Conversions Part 2

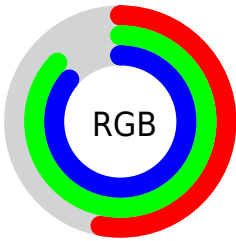
Format	Color
RYB	135, 179, 221
Decimal	8904155
CIELab	83.00, -26.38, -7.21
CIElCh	83, 27.351, 195.295
Yxy	62.1629, 0.2601, 0.3314
Android (android.graphics.Color)	4287094235 (0xFF87DDDB)
YUV	195.0580, 11.8034, -52.6709
Hunter-Lab	78.8435, -27.5189, -2.4393

Details

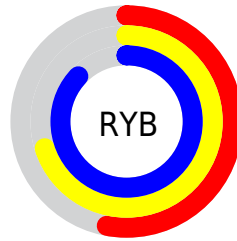
The CIELCh color **83, 27.351, 195.295** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **65, 35.578, 21.420**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 20.509, 198.155**, and **63, 27.426, 194.726** is the 20% darker color. If you saturate the color by 10%, you get **82, 32.757, 194.808**, and if you desaturate by 10%, it is **84, 21.156, 195.817**.

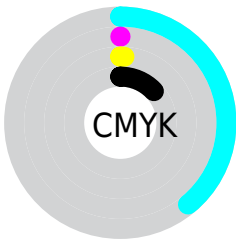
Distribution



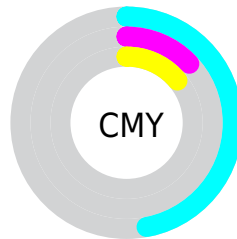
- Red (53%)
- Green (87%)
- Blue (86%)



- Red (53%)
- Yellow (70%)
- Blue (87%)



- Cyan (39%)
- Magenta (0%)
- Yellow (1%)
- Black (13%)





- Cyan (47%)
- Magenta (13%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 27.351, 195.295 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, 27.351, 195.295 by changing the saturation by 10% instead.


 83, 27.351,
195.295


 83, 27.351,
195.295


 100, 27.351,
195.295


 73, 27.351,
195.295

 63, 27.351,
195.295

 53, 27.351,
195.295

 43, 27.351,
195.295

 33, 27.351,
195.295

 23, 27.351,
195.295

 13, 27.351,

195.295

■ 3, 27.351, 195.295

■ 0, 27.351, 195.295

■ 83, 27.351,
195.295

■ 83, 27.351,
195.295

■ 82, 32.757,
194.808

■ 84, 21.156,
195.817

■ 81, 37.266,
194.363

■ 85, 14.296,
196.383

■ 81, 40.808,
193.954

■ 87, 6.900, 197.012

■ 80, 43.361,
193.575

■ 88, 0.905, 16.881

■ 90, 9.006, 18.100

■ 80, 44.964,

193.217

91, 12.391, 17.658

80, 45.774,
192.869

91, 12.395, 16.433

80, 45.847,
192.830

91, 12.405, 15.210

91, 12.421, 13.989

Harmonies

Complementary

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



83, 27.351, 195.295



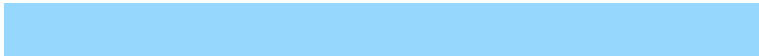
65, 35.578, 21.420

Rectangle

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



83, 27.351, 195.295



83, 27.351, 245.295



83, 27.351, 15.295



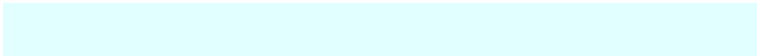
83, 27.351, 65.295

Sweetspot

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



83, 27.351, 195.292



98, 10.396, 196.797



81, 54.448, 140.770



52, 6.872, 196.714



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, 27.351, 195.292



93, 35.624, 194.878



72, 25.537, 258.230



45, 4.381, 196.973



64, 38.206, 192.887



16, 15.294, 193.480

Inverse Universe

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



65, 35.578, 21.420



70, 49.511, 22.951



75, 29.228, 67.113



43, 4.638, 18.044



36, 77.230, 38.974



5, 23.803, 19.265

Previews

White Background



This preview shows how the CIE LCh color 83, 27.351, 195.295 looks on a white background.

Color Contrast Check

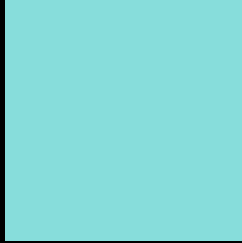
Large Text (above 18pt) WCAG AA × Fail

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, 27.351, 195.295 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

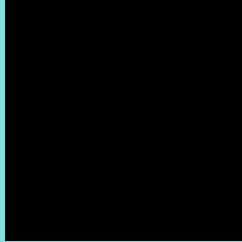
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

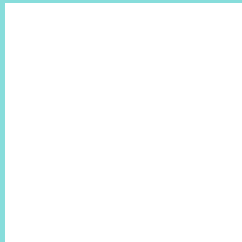
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 27.351, 195.295

Background



This preview shows how black text looks on a background with the CIELCh color 83, 27.351, 195.295.

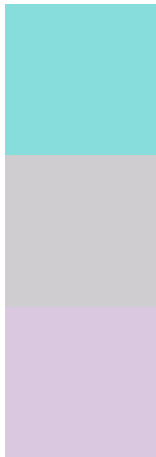


This preview shows how white text looks on a background with the CIELCh color 83, 27.351, 195.295.

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, 27.351, 195.295

Protanopia
83, 2.398, 317.292

Deuteranopia
83, 14.139, 316.434

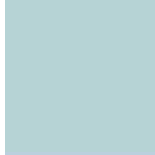


Tritanopia
83, 25.561, 218.646

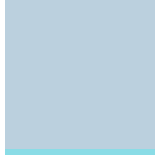
Trichromacy



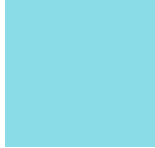
Original Color
83, 27.351, 195.295



Protanomaly
83, 10.125, 204.763



Deuteranomaly
82, 10.207, 245.816

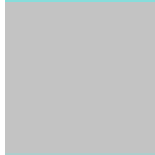


Tritanomaly
83, 25.840, 209.648

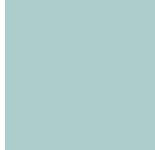
Monochromacy



Original Color
83, 27.351, 195.295



Achromatopsia
79, 0.010, 296.813



Achromatomaly
80, 11.240, 195.890

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 27.351, 195.295 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(135, 221, 219)` looks like.

```
.text, #text, p{  
    color:rgb(135, 221, 219)  
}
```

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(135, 221, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 221, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 27.351, 195.295 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(135, 221, 219) }
```

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

```
.border{ border-color:rgb(135, 221, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 221, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 221, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 221, 219);  
box-shadow:4px 4px 4px 4px rgb(135, 221,  
219) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 27.351, 195.295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 221, 219) }
```

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

```
.background{ background-color: rgb(135,  
221, 219) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor