

Converting Colors

CIELCh(83, 50.040, 167.688)

Have a look what the booklet for
CIELCh(83, 50.040, 167.688)
contains.

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Color

CIELCh(83, 50.040, 167.688)

Conversions

Conversions Part 1

Format	Color
Hex	57E6B9
RGB	87, 230, 185
RGB Percent	34%, 90%, 73%
CMY	0.6585, 0.0978, 0.2743
CMYK	0.62, 0.00, 0.20, 0.10
HSL	161°, 74%, 62%
HSV	161°, 62%, 90%
XYZ	41.0143, 62.1629, 55.7684
YIQ	182.1130, -70.7830, -44.3110

Conversions

Conversions Part 2

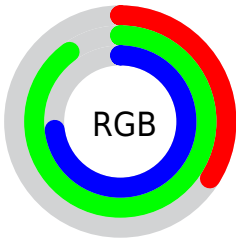
Format	Color
RYB	87, 172, 230
Decimal	5760697
CIELab	83.00, -48.89, 10.67
CIELCh	83, 50.040, 167.688
Yxy	62.1629, 0.2580, 0.3911
Android (android.graphics.Color)	4283950777 (0xFF57E6B9)
YUV	182.1130, 1.4233, -83.4141
Hunter-Lab	78.8435, -45.1206, 13.2529

Details

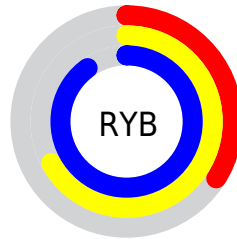
The CIELCh color **83, 50.040, 167.688** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted spring green. A complement of this color would be **57, 59.262, 4.538**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 33.821, 184.890**, and **63, 49.154, 166.955** is the 20% darker color. If you saturate the color by 10%, you get **82, 55.738, 166.020**, and if you desaturate by 10%, it is **84, 43.465, 169.176**.

Distribution



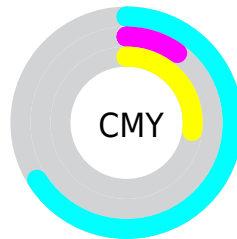
- Red (34%)
- Green (90%)
- Blue (73%)



- Red (34%)
- Yellow (67%)
- Blue (90%)



- Cyan (62%)
- Magenta (0%)
- Yellow (20%)
- Black (10%)



- Cyan (66%)
- Magenta (10%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 50.040, 167.688 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, 50.040, 167.688 by changing the saturation by 10% instead.


 83, 50.040,
167.688

 83, 50.040,
167.688


 100, 50.040,
167.688

 73, 50.040,
167.688

 63, 50.040,
167.688

 53, 50.040,
167.688

 43, 50.040,
167.688

 33, 50.040,
167.688

 23, 50.040,
167.688

 13, 50.040,

167.688

■ 3, 50.040, 167.688

■ 0, 50.040, 167.688

■ 83, 50.040,
167.688

■ 83, 50.040,
167.688

■ 82, 55.738,
166.020

■ 84, 43.465,
169.176

■ 82, 60.507,
164.155

■ 85, 36.120,
170.512

■ 82, 64.378,
162.085

■ 86, 28.144,
171.721

■ 81, 66.939,
160.366

■ 88, 19.693,
172.828

■ 89, 10.913,

173.860

■ 91, 1.939, 175.021

■ 93, 7.115, 355.555

■ 94, 11.117,
343.447

■ 94, 13.644,
330.808

Harmonies

Complementary

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



83, 50.040, 167.688



57, 59.262, 4.538

Rectangle

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



83, 50.040, 167.688



83, 50.040, 217.688



83, 50.040, 347.688



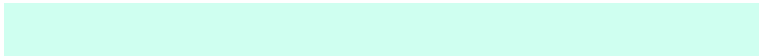
83, 50.040, 37.688

Sweetspot

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



83, 50.041, 167.687



96, 18.427, 173.148



83, 79.681, 132.138



51, 12.639, 172.846



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, 50.041, 167.687



90, 62.046, 165.433



77, 33.888, 222.241



47, 5.100, 174.134



65, 55.005, 160.764



18, 21.712, 164.706

Inverse Universe

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



57, 59.262, 4.538



58, 74.847, 8.795



61, 55.968, 39.459



45, 5.234, 355.787



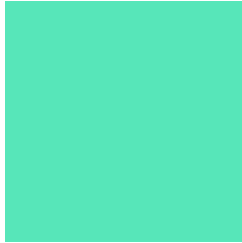
38, 66.593, 19.612



7, 26.675, 7.666

Previews

White Background



This preview shows how the CIE LCh color 83, 50.040, 167.688 looks on a white background.

Color Contrast Check

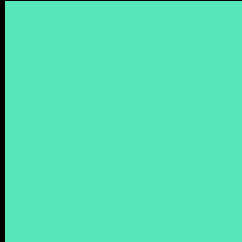
Large Text (above 18pt) WCAG AA × Fail

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, 50.040, 167.688 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, 50.040, 167.688

Background



This preview shows how black text looks on a background with the CIELCh color 83, 50.040, 167.688.

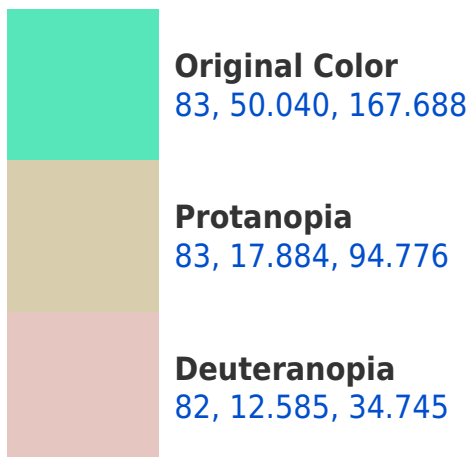


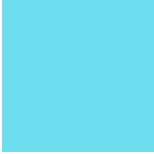
This preview shows how white text looks on a background with the CIELCh color 83, 50.040, 167.688.

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, 33.194, 214.222

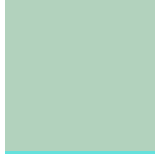
Trichromacy



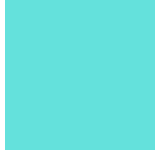
Original Color
83, 50.040, 167.688



Protanomaly
82, 25.734, 148.301



Deuteranomaly
81, 16.218, 154.979

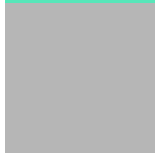


Tritanomaly
83, 36.644, 192.750

Monochromacy



Original Color
83, 50.040, 167.688



Achromatopsia
74, 0.009, 296.813



Achromatomaly
76, 20.442, 172.908

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 50.040, 167.688 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, 230, 185)` looks like.

```
.text, #text, p{  
    color:rgb(87, 230, 185)  
}
```

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, 230, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 230, 185) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 50.040, 167.688 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, 230, 185) }
```

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

```
.border{ border-color:rgb(87, 230, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 230, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 230, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 230, 185);  
box-shadow:4px 4px 4px 4px rgb(87, 230,  
185) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 50.040, 167.688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 230, 185) }
```

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

```
.background{ background-color: rgb(87, 230,  
185) }
```

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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