

Converting Colors

CIELCh(85, 63.753, 162.883)

Have a look what the booklet for
CIELCh(85, 63.753, 162.883)
contains.

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Color

CIElCh(85, 63.580, 163.023)

Conversions

Conversions Part 1

Format	Color
Hex	2BF0AF
RGB	43, 240, 175
RGB Percent	17%, 94%, 69%
CMY	0.8304, 0.0584, 0.3133
CMYK	0.82, 0.00, 0.27, 0.06
HSL	160°, 87%, 56%
HSV	160°, 82%, 94%
XYZ	39.9491, 66.0070, 51.2479
YIQ	173.6870, -96.5470, -61.9790

Conversions

Conversions Part 2

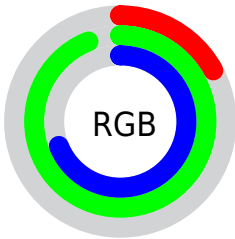
Format	Color
RYB	43, 161, 240
Decimal	2879663
CIELab	85.00, -60.81, 18.56
CIELCh	85, 63.580, 163.023
Yxy	66.0070, 0.2541, 0.4199
Android (android.graphics.Color)	4281069743 (0xFF2BF0AF)
YUV	173.6870, 0.6473, -114.6125
Hunter-Lab	81.2447, -54.4073, 19.4721

Details

The CIELCh color **85, 63.580, 163.023** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed spring green. A complement of this color would be **53, 75.562, 10.211**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 42.089, 179.538**, and **66, 57.380, 159.326** is the 20% darker color. If you saturate the color by 10%, you get **85, 67.745, 160.921**, and if you desaturate by 10%, it is **86, 58.485, 164.916**.

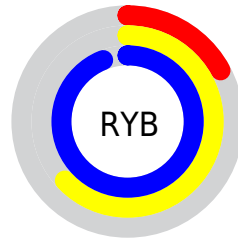
Distribution



Red (17%)

Green (94%)

Blue (69%)



Red (17%)

Yellow (63%)

Blue (94%)

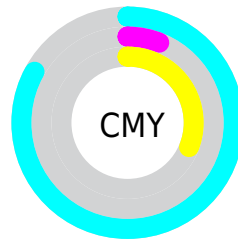


Cyan (82%)

Magenta (0%)

Yellow (27%)

Black (6%)



Cyan (83%)


Magenta (6%)


Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 63.580, 163.023 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 85, 63.580, 163.023 by changing the saturation by 10% instead.


 85, 63.580,
163.023


 85, 63.580,
163.023


 100, 63.580,
163.023


 75, 63.580,
163.023

 65, 63.580,
163.023

 55, 63.580,
163.023

 45, 63.580,
163.023

 35, 63.580,
163.023

 25, 63.580,
163.023

 15, 63.580,

163.023

■ 5, 63.580, 163.023

■ 0, 63.580, 163.023

■ 85, 63.580,
163.023

■ 85, 63.580,
163.023

■ 85, 67.745,
160.921

■ 86, 58.485,
164.916

■ 84, 70.564,
159.138

■ 86, 52.430,
166.606

■ 87, 45.470,
168.114

■ 88, 37.720,
169.464

■ 89, 29.328,

170.682

■ 91, 20.455,
171.794

■ 93, 11.257,
172.829

■ 94, 1.872, 174.006

■ 96, 6.214, 348.221

Harmonies

Complementary

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



85, 63.580, 163.023



53, 75.562, 10.211

Rectangle

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



85, 63.580, 163.023



85, 63.580, 213.023



85, 63.580, 343.023



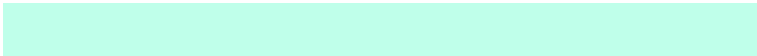
85, 63.580, 33.023

Sweetspot

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



85, 63.580, 163.022



95, 24.322, 171.460



85, 100.775, 131.523



50, 16.509, 171.069



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



85, 63.580, 163.022



89, 73.230, 159.502



77, 40.046, 223.540



49, 5.335, 173.084



66, 57.304, 159.550



20, 23.618, 163.133

Inverse Universe

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



53, 75.562, 10.211



54, 86.244, 18.465



56, 81.105, 40.933



47, 5.469, 354.742



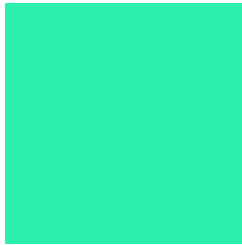
39, 67.604, 18.307



8, 28.757, 8.397

Previews

White Background



This preview shows how the CIE LCh color 85, 63.580, 163.023 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 85, 63.580, 163.023 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 85, 63.580, 163.023

Background



This preview shows how black text looks on a background with the CIELCh color 85, 63.580, 163.023.

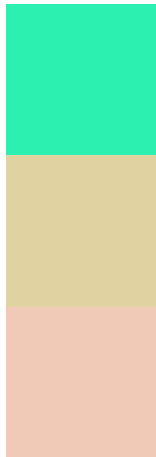


This preview shows how white text looks on a background with the CIELCh color 85, 63.580, 163.023.

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

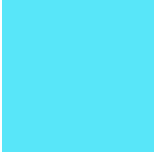
85, 63.580, 163.023

Protanopia

84, 26.304, 94.830

Deuteranopia

84, 17.924, 53.857



Tritanopia
85, 38.152, 212.482

Trichromacy



Original Color
85, 63.580, 163.023



Protanomaly
83, 36.921, 145.655



Deuteranomaly
82, 25.986, 150.703



Tritanomaly
85, 44.168, 188.203

Monochromacy



Original Color
85, 63.580, 163.023



Achromatopsia
71, 0.009, 296.813



Achromatomaly
75, 28.365, 170.006

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 63.580, 163.023 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(43, 240, 175)` looks like.

```
.text, #text, p{  
    color:rgb(43, 240, 175)  
}
```

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(43, 240, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 240, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 63.580, 163.023 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(43, 240, 175) }
```

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

```
.border{ border-color:rgb(43, 240, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 240, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 240, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 240, 175);  
box-shadow:4px 4px 4px 4px rgb(43, 240,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 63.580, 163.023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 240, 175) }
```

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

```
.background{ background-color: rgb(43, 240,  
175) }
```

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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