

Converting Colors

CIELCh(84, 53.896, 167.014)

Have a look what the booklet for
CIELCh(84, 53.896, 167.014)
contains.

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Color

CIELCh(84, 53.693, 167.137)

Conversions

Conversions Part 1

Format	Color
Hex	4CEAB9
RGB	76, 234, 185
RGB Percent	30%, 92%, 73%
CMY	0.7006, 0.0813, 0.2735
CMYK	0.67, 0.00, 0.21, 0.08
HSL	161°, 79%, 61%
HSV	161°, 67%, 92%
XYZ	41.2930, 64.0658, 56.2310
YIQ	181.1720, -78.4390, -48.7350

Conversions

Conversions Part 2

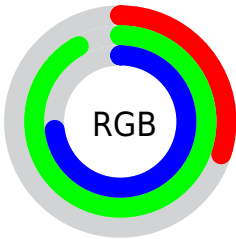
Format	Color
RYB	76, 169, 234
Decimal	5040825
CIELab	84.00, -52.35, 11.95
CIELCh	84, 53.693, 167.137
Yxy	64.0658, 0.2555, 0.3965
Android (android.graphics.Color)	4283230905 (0xFF4CEAB9)
YUV	181.1720, 1.8872, -92.2358
Hunter-Lab	80.0411, -47.9843, 14.3760

Details

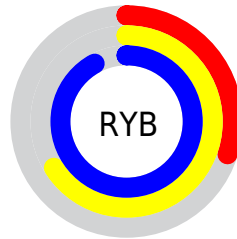
The CIELCh color **84, 53.693, 167.137** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted spring green. A complement of this color would be **56, 64.425, 6.429**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 35.749, 185.438**, and **64, 50.625, 165.770** is the 20% darker color. If you saturate the color by 10%, you get **83, 58.931, 165.370**, and if you desaturate by 10%, it is **85, 47.527, 168.713**.

Distribution



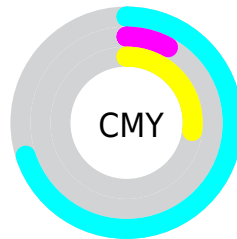
- Red (30%)
- Green (92%)
- Blue (73%)



- Red (30%)
- Yellow (66%)
- Blue (92%)



- Cyan (67%)
- Magenta (0%)
- Yellow (21%)
- Black (8%)





- Cyan (70%)
- Magenta (8%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 53.693, 167.137 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 84, 53.693, 167.137 by changing the saturation by 10% instead.


 84, 53.693,
167.137


 84, 53.693,
167.137


 100, 53.693,
167.137


 74, 53.693,
167.137

 64, 53.693,
167.137

 54, 53.693,
167.137

 44, 53.693,
167.137

 34, 53.693,
167.137

 24, 53.693,
167.137

 14, 53.693,

167.137

■ 4, 53.693, 167.137

■ 0, 53.693, 167.137

■ 84, 53.693,
167.137

■ 84, 53.693,
167.137

■ 83, 58.931,
165.370

■ 85, 47.527,
168.713

■ 83, 63.230,
163.401

■ 86, 40.512,
170.124

■ 83, 66.685,
161.239

■ 87, 32.775,
171.396

■ 83, 67.516,
160.678

■ 88, 24.469,
172.553


■ 90, 15.747,

173.620

 91, 6.755, 174.641

 93, 2.380, 355.248

 95, 8.766, 347.570

 95, 11.199,
331.263

Harmonies

Complementary

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



84, 53.693, 167.137



56, 64.425, 6.429

Rectangle

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



84, 53.693, 167.137



84, 53.693, 217.137



84, 53.693, 347.137



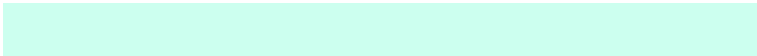
84, 53.693, 37.137

Sweetspot

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



84, 53.693, 167.136



96, 19.319, 173.341



84, 86.466, 131.967



51, 13.134, 173.042



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



84, 53.693, 167.136



90, 64.768, 164.614



77, 35.990, 223.213



48, 5.179, 174.429



65, 55.308, 161.075



19, 22.363, 164.789

Inverse Universe

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



56, 64.425, 6.429



57, 78.824, 11.590



60, 62.681, 40.020



46, 5.318, 356.088



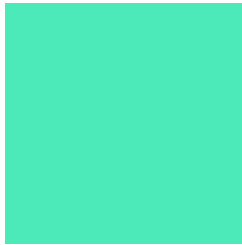
38, 67.448, 20.076



7, 27.799, 8.755

Previews

White Background



This preview shows how the CIE LCh color 84, 53.693, 167.137 looks on a white background.

Color Contrast Check

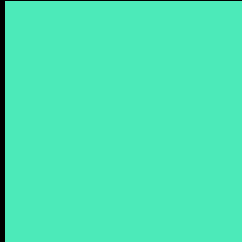
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 84, 53.693, 167.137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

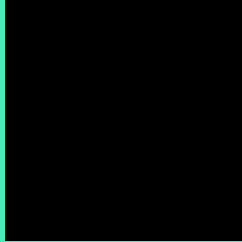
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

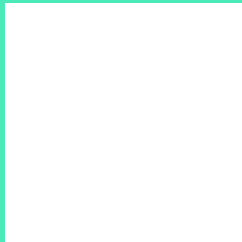
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 53.693, 167.137

Background



This preview shows how black text looks on a background with the CIELCh color 84, 53.693, 167.137.

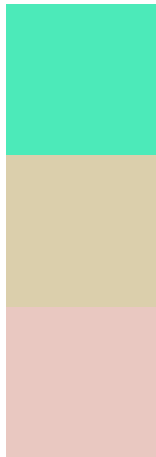


This preview shows how white text looks on a background with the CIELCh color 84, 53.693, 167.137.

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](#).

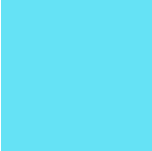
Dichromacy



Original Color
84, 53.693, 167.137

Protanopia
83, 18.967, 94.270

Deuteranopia
83, 13.099, 36.521



Tritanopia
84, 35.308, 213.948

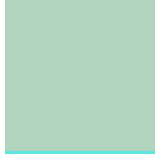
Trichromacy



Original Color
84, 53.693, 167.137



Protanomaly
82, 28.065, 148.874



Deuteranomaly
82, 17.608, 156.789

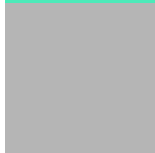


Tritanomaly
84, 39.094, 192.109

Monochromacy



Original Color
84, 53.693, 167.137



Achromatopsia
74, 0.009, 296.813



Achromatomaly
76, 22.156, 173.304

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 53.693, 167.137 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(76, 234, 185)` looks like.

```
.text, #text, p{  
    color:rgb(76, 234, 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(76, 234, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 234, 185) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 53.693, 167.137 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(76, 234, 185) }
```

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

```
.border{ border-color:rgb(76, 234, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 234, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 234, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 234, 185);  
box-shadow:4px 4px 4px 4px rgb(76, 234,  
185) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 53.693, 167.137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 234, 185) }
```

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

```
.background{ background-color: rgb(76, 234,  
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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