

Converting Colors

CIELCh(84, 52.744, 158.137)

Have a look what the booklet for
CIELCh(84, 52.744, 158.137)
contains.

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Color

CIELCh(84, 52.958, 158.154)

Conversions

Conversions Part 1

Format	Color
Hex	6BE9AB
RGB	107, 233, 171
RGB Percent	42%, 91%, 67%
CMY	0.5821, 0.0879, 0.3309
CMYK	0.54, 0.00, 0.27, 0.09
HSL	150°, 74%, 67%
HSV	150°, 54%, 91%
XYZ	42.3455, 64.0658, 48.4675
YIQ	188.2580, -55.1940, -45.9940

Conversions

Conversions Part 2

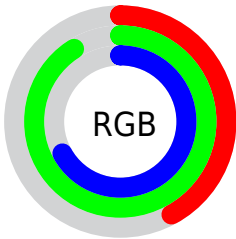
Format	Color
RYB	107, 191, 233
Decimal	7072171
CIELab	84.00, -49.15, 19.71
CIELCh	84, 52.958, 158.154
Yxy	64.0658, 0.2734, 0.4137
Android (android.graphics.Color)	4285262251 (0xFF6BE9AB)
YUV	188.2580, -8.5082, -71.2633
Hunter-Lab	80.0411, -45.6370, 20.1267

Details

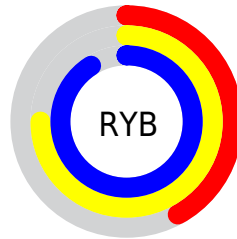
The CIELCh color **84, 52.958, 158.154** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **62, 56.142, 350.248**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 33.020, 171.386**, and **64, 52.559, 158.460** is the 20% darker color. If you saturate the color by 10%, you get **83, 61.130, 156.558**, and if you desaturate by 10%, it is **85, 44.040, 159.559**.

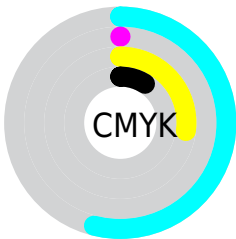
Distribution



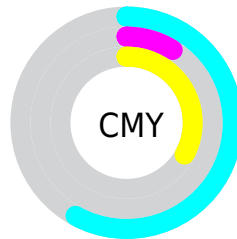
- Red (42%)
- Green (91%)
- Blue (67%)



- Red (42%)
- Yellow (75%)
- Blue (91%)



- Cyan (54%)
- Magenta (0%)
- Yellow (27%)
- Black (9%)





- Cyan (58%)
- Magenta (9%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 52.958, 158.154 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, 52.958, 158.154 by changing the saturation by 10% instead.


 84, 52.958,
158.154


 84, 52.958,
158.154


 100, 52.958,
158.154


 74, 52.958,
158.154

 64, 52.958,
158.154

 54, 52.958,
158.154

 44, 52.958,
158.154

 34, 52.958,
158.154

 24, 52.958,
158.154

 14, 52.958,

158.154

■ 4, 52.958, 158.154

■ 0, 52.958, 158.154

■ 84, 52.958,
158.154

■ 84, 52.958,
158.154

■ 83, 61.130,
156.558

■ 85, 44.040,
159.559

■ 82, 68.421,
154.754

■ 86, 34.541,
160.801

■ 82, 74.758,
152.734

■ 88, 24.639,
161.905

■ 82, 80.158,
150.515

■ 90, 14.500,
162.899

■ 81, 82.979,

■ 91, 4.269, 163.857

149.193

93, 5.936, 344.474

94, 12.244,
330.793

95, 13.996,
324.906

Harmonies

Complementary

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



84, 52.958, 158.154



62, 56.142, 350.248

Rectangle

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



84, 52.958, 158.154



84, 52.958, 208.154



84, 52.958, 338.154



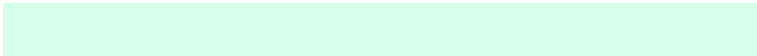
84, 52.958, 28.154

Sweetspot

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



84, 52.959, 158.153



97, 17.621, 162.717



86, 67.518, 126.596



51, 11.891, 162.515



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, 52.959, 158.153



90, 66.481, 156.363



86, 36.346, 197.034



48, 5.849, 163.341



65, 68.223, 149.597



19, 27.009, 153.588

Inverse Universe

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



62, 56.142, 350.248



63, 70.224, 352.344



61, 54.373, 26.126



46, 5.927, 344.851



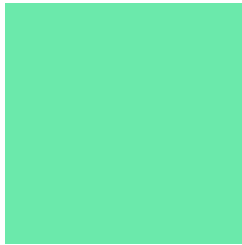
39, 65.461, 2.712



8, 28.533, 355.839

Previews

White Background



This preview shows how the CIELCh color 84, 52.958, 158.154 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 84, 52.958, 158.154 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, 52.958, 158.154

Background



This preview shows how black text looks on a background with the CIELCh color 84, 52.958, 158.154.

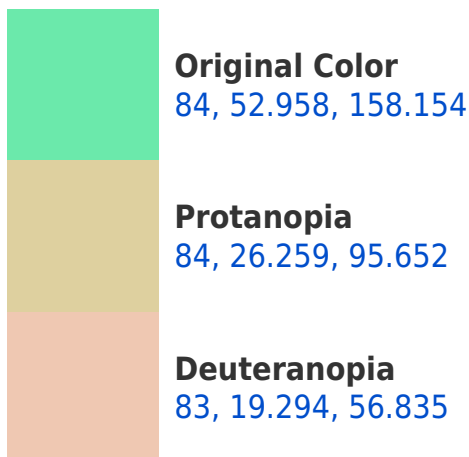



This preview shows how white text looks on a background with the CIELCh color 84, 52.958, 158.154.

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
84, 29.544, 216.572

Trichromacy



Original Color
84, 52.958, 158.154



Protanomaly
83, 31.607, 134.114



Deuteranomaly
83, 21.044, 130.634



Tritanomaly
84, 33.579, 187.080

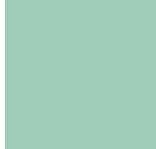
Monochromacy



Original Color
84, 52.958, 158.154



Achromatopsia
76, 0.009, 296.813



Achromatomaly
78, 20.463, 162.818

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 52.958, 158.154 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(107, 233, 171)` looks like.

```
.text, #text, p{  
    color:rgb(107, 233, 171)  
}
```

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(107, 233, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 233, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 52.958, 158.154 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(107, 233, 171) }
```

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

```
.border{ border-color:rgb(107, 233, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 233, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 233, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 233, 171);  
box-shadow:4px 4px 4px 4px rgb(107, 233,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 52.958, 158.154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 233, 171) }
```

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

```
.background{ background-color: rgb(107,  
233, 171) }
```

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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