

Converting Colors

CIELCh(87, 53.875, 169.168)

Have a look what the booklet for
CIELCh(87, 53.875, 169.168)
contains.

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Color

CIELCh(87, 53.733, 169.322)

Conversions

Conversions Part 1

Format	Color
Hex	4FF3C5
RGB	79, 243, 197
RGB Percent	31%, 95%, 77%
CMY	0.6886, 0.0459, 0.2263
CMYK	0.67, 0.00, 0.19, 0.05
HSL	163°, 88%, 63%
HSV	163°, 67%, 95%
XYZ	45.5094, 70.0064, 64.1100
YIQ	188.7200, -82.9780, -49.0740

Conversions

Conversions Part 2

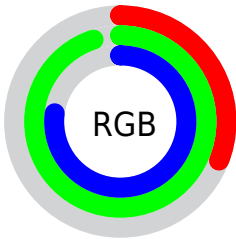
Format	Color
R_{YB}	79, 174, 243
Decimal	5239749
CIE _{Lab}	87.00, -52.80, 9.96
CIE _{LCh}	87, 53.733, 169.322
Yxy	70.0064, 0.2534, 0.3897
Android (android.graphics.Color)	4283429829 (0xFF4FF3C5)
YUV	188.7200, 4.0820, -96.2244
Hunter-Lab	83.6698, -49.3330, 13.1393

Details

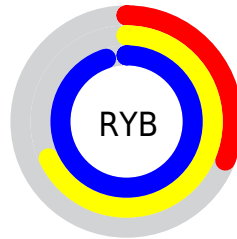
The CIELCh color **87, 53.733, 169.322** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **58, 66.313, 8.806**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 32.941, 196.483**, and **67, 51.053, 167.794** is the 20% darker color. If you saturate the color by 10%, you get **86, 58.818, 167.602**, and if you desaturate by 10%, it is **88, 47.678, 170.858**.

Distribution



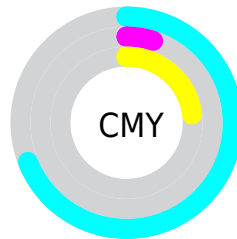
- Red (31%)
- Green (95%)
- Blue (77%)



- Red (31%)
- Yellow (68%)
- Blue (95%)



- Cyan (67%)
- Magenta (0%)
- Yellow (19%)
- Black (5%)





- Cyan (69%)
- Magenta (5%)
- Yellow (23%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 53.733, 169.322 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 87, 53.733, 169.322 by changing the saturation by 10% instead.


 87, 53.733,
169.322


 87, 53.733,
169.322


 100, 53.733,
169.322


 77, 53.733,
169.322

 67, 53.733,
169.322

 57, 53.733,
169.322

 47, 53.733,
169.322

 37, 53.733,
169.322


 27, 53.733,
169.322


 17, 53.733,


169.322

 7, 53.733, 169.322


 0, 53.733, 169.322


 87, 53.733,
169.322


 87, 53.733,
169.322


 86, 58.818,
167.602


 88, 47.678,
170.858


 86, 62.926,
165.686

 89, 40.729,
172.239

 86, 66.160,
163.578

 90, 33.013,
173.488

 86, 66.941,
163.020

 91, 24.684,
174.630

 93, 15.900,

175.690

 95, 6.810, 176.710

 96, 2.454, 357.312

 97, 6.061, 333.032

 97, 7.284, 324.653

Harmonies

Complementary

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



87, 53.733, 169.322



58, 66.313, 8.806

Rectangle

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



87, 53.733, 169.322



87, 53.733, 219.322



87, 53.733, 349.322



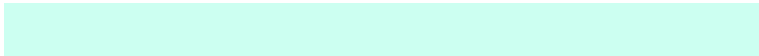
87, 53.733, 39.322

Sweetspot

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



87, 53.733, 169.321



96, 18.954, 175.412



87, 89.927, 132.831



51, 12.879, 175.116



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



87, 53.733, 169.321



90, 62.695, 166.891



78, 36.906, 228.837



50, 5.271, 176.491



67, 54.429, 163.409



21, 23.079, 166.641

Inverse Universe

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



58, 66.313, 8.806



57, 79.213, 14.103



63, 63.434, 42.365



48, 5.428, 358.159



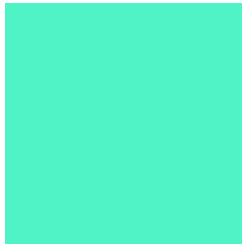
39, 69.906, 22.862



9, 29.724, 12.408

Previews

White Background



This preview shows how the CIELCh color 87, 53.733, 169.322 looks on a white background.

Color Contrast Check

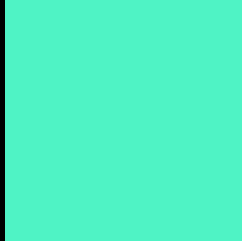
Large Text (above 18pt) WCAG AA × Fail

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 87, 53.733, 169.322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

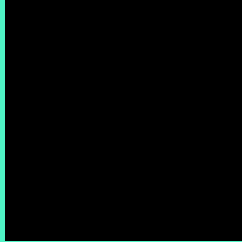
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 53.733, 169.322

Background



This preview shows how black text looks on a background with the CIELCh color 87, 53.733, 169.322.

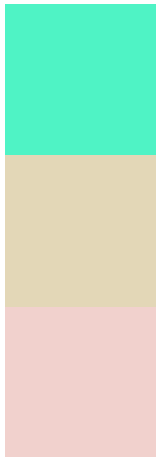


This preview shows how white text looks on a background with the CIELCh color 87, 53.733, 169.322.

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](#).

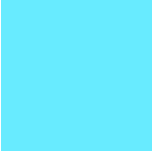
Dichromacy



Original Color
87, 53.733, 169.322

Protanopia
86, 17.317, 93.292

Deuteranopia
86, 12.169, 30.062



Tritanopia
87, 36.597, 214.079

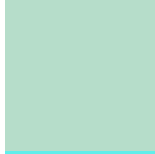
Trichromacy



Original Color
87, 53.733, 169.322



Protanomaly
85, 27.142, 152.059



Deuteranomaly
85, 17.240, 162.817

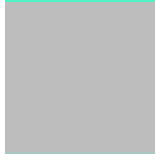


Tritanomaly
87, 40.078, 193.793

Monochromacy



Original Color
87, 53.733, 169.322



Achromatopsia
77, 0.009, 296.813



Achromatomaly
79, 22.883, 174.326

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 53.733, 169.322 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(79, 243, 197)` looks like.

```
.text, #text, p{  
    color:rgb(79, 243, 197)  
}
```

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(79, 243, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 243, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 53.733, 169.322 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(79, 243, 197) }
```

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

```
.border{ border-color:rgb(79, 243, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 243, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 243, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 243, 197);  
box-shadow:4px 4px 4px 4px rgb(79, 243,  
197) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 53.733, 169.322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 243, 197) }
```

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

```
.background{ background-color: rgb(79, 243,  
197) }
```

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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