

Converting Colors

CIELCh(87, 51.961, 173.405)

Have a look what the booklet for
CIELCh(87, 51.961, 173.405)
contains.

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Color

CIELCh(87, 51.951, 173.487)

Conversions

Conversions Part 1

Format	Color
Hex	4AF3CD
RGB	74, 243, 205
RGB Percent	29%, 95%, 80%
CMY	0.7095, 0.0468, 0.1958
CMYK	0.70, 0.00, 0.16, 0.05
HSL	167°, 88%, 62%
HSV	167°, 70%, 95%
XYZ	45.9250, 70.0064, 68.8861
YIQ	188.1370, -88.5260, -47.6460

Conversions

Conversions Part 2

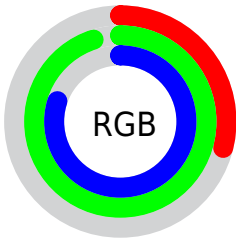
Format	Color
RYB	74, 169, 243
Decimal	4912077
CIELab	87.00, -51.62, 5.89
CIELCh	87, 51.951, 173.487
Yxy	70.0064, 0.2485, 0.3788
Android (android.graphics.Color)	4283102157 (0xFF4AF3CD)
YUV	188.1370, 8.3135, -100.0981
Hunter-Lab	83.6698, -48.4466, 9.7549

Details

The CIELCh color **87, 51.951, 173.487** 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 **57, 68.377, 13.981**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 33.553, 197.356**, and **68, 48.322, 172.051** is the 20% darker color. If you saturate the color by 10%, you get **86, 56.252, 171.872**, and if you desaturate by 10%, it is **88, 46.650, 174.936**.

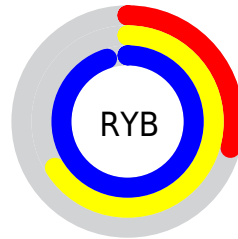
Distribution



Red (29%)

Green (95%)

Blue (80%)



Red (29%)

Yellow (66%)

Blue (95%)

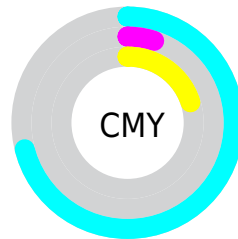


Cyan (70%)

Magenta (0%)

Yellow (16%)

Black (5%)



Cyan (71%)


Magenta (5%)


Yellow (20%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 51.951, 173.487 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, 51.951, 173.487 by changing the saturation by 10% instead.

 87, 51.951,
173.487

 87, 51.951,
173.487

 100, 51.951,
173.487

 77, 51.951,
173.487

 67, 51.951,
173.487

 57, 51.951,
173.487

 47, 51.951,
173.487

 37, 51.951,
173.487

 27, 51.951,
173.487

 17, 51.951,

173.487

■ 7, 51.951, 173.487

■ 0, 51.951, 173.487

■ 87, 51.951,
173.487

■ 87, 51.951,
173.487

■ 86, 56.252,
171.872

■ 88, 46.650,
174.936

■ 86, 59.574,
170.077

■ 89, 40.402,
176.246

■ 86, 62.089,
168.124

■ 90, 33.319,
177.441

■ 86, 62.204,
168.031

■ 91, 25.542,
178.544

■ 92, 17.225,

179.576

 94, 8.520, 180.570

 96, 0.439, 0.086

 97, 5.154, 345.041

 97, 7.128, 326.372

Harmonies

Complementary

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



87, 51.951, 173.487



57, 68.377, 13.981

Rectangle

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



87, 51.951, 173.487



87, 51.951, 223.487



87, 51.951, 353.487



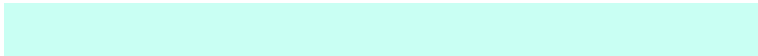
87, 51.951, 43.487

Sweetspot

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



87, 51.951, 173.486



96, 19.215, 179.421



86, 93.363, 133.952



51, 12.939, 179.139



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, 51.951, 173.486



90, 59.718, 171.231



75, 37.985, 237.972



50, 5.116, 180.573



67, 50.674, 168.387



21, 21.690, 171.326

Inverse Universe

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



57, 68.377, 13.981



56, 81.868, 19.692



64, 64.189, 46.185



48, 5.299, 2.212



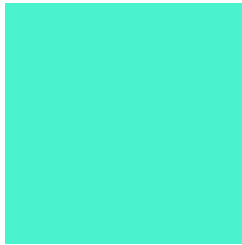
39, 72.215, 27.556



9, 29.904, 15.505

Previews

White Background



This preview shows how the CIE LCh color 87, 51.951, 173.487 looks on a white background.

Color Contrast Check

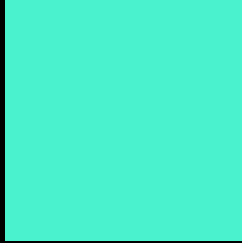
Large Text (above 18pt) WCAG AA × Fail

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, 51.951, 173.487 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, 51.951, 173.487

Background



This preview shows how black text looks on a background with the CIELCh color 87, 51.951, 173.487.

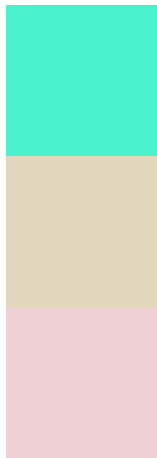


This preview shows how white text looks on a background with the CIELCh color 87, 51.951, 173.487.

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](#).

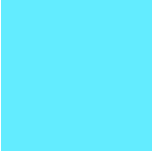
Dichromacy



Original Color
87, 51.951, 173.487

Protanopia
86, 13.695, 91.289

Deuteranopia
86, 10.819, 11.873

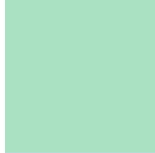


Tritanopia
87, 37.586, 212.708

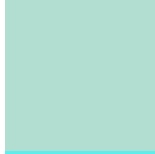
Trichromacy



Original Color
87, 51.951, 173.487



Protanomaly
85, 25.007, 158.701



Deuteranomaly
85, 16.417, 175.605

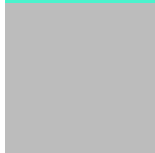


Tritanomaly
87, 40.827, 195.307

Monochromacy



Original Color
87, 51.951, 173.487



Achromatopsia
76, 0.009, 296.813



Achromatomaly
79, 22.449, 178.240

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 51.951, 173.487 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(74, 243, 205)` looks like.

```
.text, #text, p{  
    color:rgb(74, 243, 205)  
}
```

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(74, 243, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 243, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 51.951, 173.487 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(74, 243, 205) }
```

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

```
.border{ border-color:rgb(74, 243, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 243, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 243, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 243, 205);  
box-shadow:4px 4px 4px 4px rgb(74, 243,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 51.951, 173.487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 243, 205) }
```

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

```
.background{ background-color: rgb(74, 243,  
205) }
```

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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