

Converting Colors

CIELCh(87, 46.716, 166.744)

Have a look what the booklet for
CIELCh(87, 46.716, 166.744)
contains.

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Color

CIELCh(87, 46.595, 166.767)

Conversions

Conversions Part 1

Format	Color
Hex	72F0C4
RGB	114, 240, 196
RGB Percent	45%, 94%, 77%
CMY	0.5522, 0.0581, 0.2307
CMYK	0.52, 0.00, 0.18, 0.06
HSL	159°, 81%, 69%
HSV	159°, 52%, 94%
XYZ	48.1577, 70.0064, 63.2988
YIQ	197.3100, -60.9720, -40.3960

Conversions

Conversions Part 2

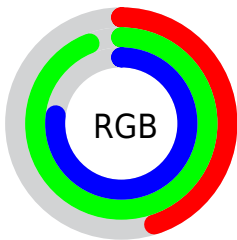
Format	Color
R_{YB}	114, 190, 240
Decimal	7532740
CIE Lab	87.00, -45.36, 10.67
CIE LCh	87, 46.595, 166.767
Yxy	70.0064, 0.2654, 0.3858
Android (android.graphics.Color)	4285722820 (0xFF72F0C4)
YUV	197.3100, -0.6458, -73.0629
Hunter-Lab	83.6698, -43.6833, 13.7141

Details

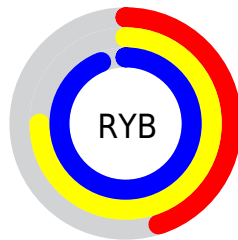
The CIELCh color **87, 46.595, 166.767** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **64, 52.889, 359.674**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 26.095, 195.525**, and **67, 46.546, 166.659** is the 20% darker color. If you saturate the color by 10%, you get **86, 53.704, 165.234**, and if you desaturate by 10%, it is **88, 38.701, 168.134**.

Distribution



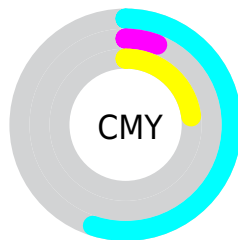
- Red (45%)
- Green (94%)
- Blue (77%)



- Red (45%)
- Yellow (75%)
- Blue (94%)



- Cyan (52%)
- Magenta (0%)
- Yellow (18%)
- Black (6%)





- Cyan (55%)
- Magenta (6%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 46.595, 166.767 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, 46.595, 166.767 by changing the saturation by 10% instead.


 87, 46.595,
166.767

 87, 46.595,
166.767


 100, 46.595,
166.767


 77, 46.595,
166.767

 67, 46.595,
166.767

 57, 46.595,
166.767

 47, 46.595,
166.767

 37, 46.595,
166.767

 27, 46.595,
166.767

 17, 46.595,


166.767


 7, 46.595, 166.767


 0, 46.595, 166.767


 87, 46.595,
166.767


 87, 46.595,
166.767

 86, 53.704,
165.234


 88, 38.701,
168.134


 85, 59.910,
163.514

 89, 30.169,
169.365

 85, 65.158,
161.587

 91, 21.163,
170.485

 85, 69.480,
159.451

 93, 11.841,
171.521

 84, 72.272,

 94, 2.342, 172.639

157.752

 96, 6.189, 348.218

 96, 9.194, 324.916

 96, 9.238, 324.729

Harmonies

Complementary

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



87, 46.595, 166.767



64, 52.889, 359.674

Rectangle

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



87, 46.595, 166.767



87, 46.595, 216.767



87, 46.595, 346.767



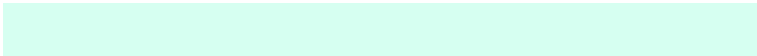
87, 46.595, 36.767

Sweetspot

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



87, 46.596, 166.766



97, 15.923, 171.156



87, 70.241, 131.578



51, 10.732, 170.943



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, 46.596, 166.766



91, 56.711, 165.113



83, 31.895, 215.935



49, 5.400, 171.822



66, 58.662, 158.170



20, 24.113, 161.804

Inverse Universe

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



64, 52.889, 359.674



63, 65.496, 2.221



67, 48.253, 35.961



47, 5.526, 353.472



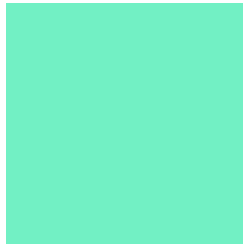
39, 67.132, 16.513



8, 28.759, 7.122

Previews

White Background



This preview shows how the CIE LCh color 87, 46.595, 166.767 looks on a white background.

Color Contrast Check

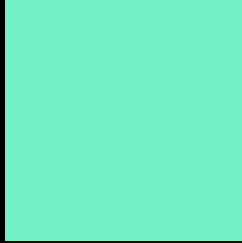
Large Text (above 18pt) WCAG AA × Fail

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, 46.595, 166.767 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, 46.595, 166.767

Background



This preview shows how black text looks on a background with the CIELCh color 87, 46.595, 166.767.

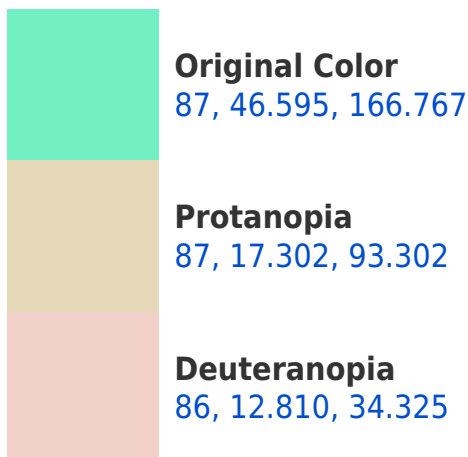


This preview shows how white text looks on a background with the CIELCh color 87, 46.595, 166.767.

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



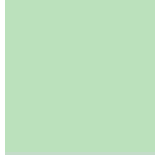


Tritanopia
87, 30.902, 215.524

Trichromacy



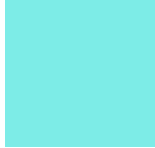
Original Color
87, 46.595, 166.767



Protanomaly
86, 23.931, 144.090



Deuteranomaly
86, 13.306, 150.123

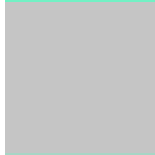


Tritanomaly
87, 33.811, 192.714

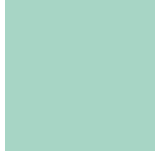
Monochromacy



Original Color
87, 46.595, 166.767



Achromatopsia
80, 0.010, 296.813



Achromatomaly
82, 18.461, 170.689

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 46.595, 166.767 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(114, 240, 196)` looks like.

```
.text, #text, p{  
    color:rgb(114, 240, 196)  
}
```

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(114, 240, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 240, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 46.595, 166.767 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(114, 240, 196) }
```

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

```
.border{ border-color:rgb(114, 240, 196) }
```

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

Here you see how a box with a 4 pixel rgb(114, 240, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 240, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 240, 196);  
box-shadow:4px 4px 4px 4px rgb(114, 240,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 46.595, 166.767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 240, 196) }
```

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

```
.background{ background-color: rgb(114,  
240, 196) }
```

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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