

Converting Colors

CIELCh(87, 47.805, 164.734)

Have a look what the booklet for
CIELCh(87, 47.805, 164.734)
contains.

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Color

CIELCh(87, 47.716, 164.596)

Conversions

Conversions Part 1

Format	Color
Hex	73F0C0
RGB	115, 240, 192
RGB Percent	45%, 94%, 75%
CMY	0.5477, 0.0575, 0.2458
CMYK	0.52, 0.00, 0.20, 0.06
HSL	157°, 81%, 70%
HSV	157°, 52%, 94%
XYZ	47.9246, 70.0064, 61.0414
YIQ	197.1530, -59.0920, -41.4280

Conversions

Conversions Part 2

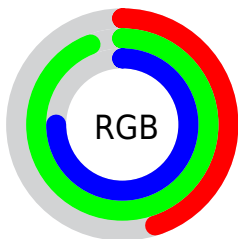
Format	Color
RYB	115, 192, 240
Decimal	7598272
CIELab	87.00, -46.00, 12.67
CIELCh	87, 47.716, 164.596
Yxy	70.0064, 0.2678, 0.3912
Android (android.graphics.Color)	4285788352 (0xFF73F0C0)
YUV	197.1530, -2.5404, -72.0482
Hunter-Lab	83.6698, -44.1805, 15.3138

Details

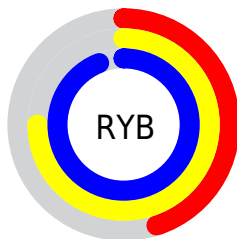
The CIELCh color **87, 47.716, 164.596** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **65, 53.073, 357.096**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 26.377, 189.874**, and **67, 47.852, 164.447** is the 20% darker color. If you saturate the color by 10%, you get **86, 55.212, 163.051**, and if you desaturate by 10%, it is **88, 39.457, 165.970**.

Distribution



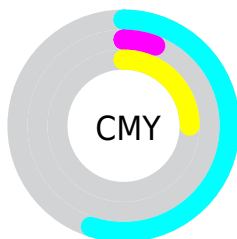
- Red (45%)
- Green (94%)
- Blue (75%)



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



- Cyan (52%)
- Magenta (0%)
- Yellow (20%)
- Black (6%)



- Cyan (55%)
- Magenta (6%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 47.716, 164.596 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, 47.716, 164.596 by changing the saturation by 10% instead.

 87, 47.716,
164.596

 87, 47.716,
164.596

 100, 47.716,
164.596

 77, 47.716,
164.596

 67, 47.716,
164.596

 57, 47.716,
164.596


 47, 47.716,
164.596


 37, 47.716,
164.596

 27, 47.716,
164.596

 17, 47.716,


164.596


 7, 47.716, 164.596


 0, 47.716, 164.596


 87, 47.716,
164.596


 87, 47.716,
164.596


 86, 55.212,
163.051


 88, 39.457,
165.970


 85, 61.818,
161.312

 89, 30.589,
167.201

 85, 67.470,
159.362

 91, 21.279,
168.315

 85, 72.189,
157.201

 93, 11.687,
169.341

 84, 75.438,

 95, 1.953, 170.483

155.377

 96, 6.440, 343.865

 96, 9.138, 324.726

Harmonies

Complementary

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



87, 47.716, 164.596



65, 53.073, 357.096

Rectangle

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



87, 47.716, 164.596



87, 47.716, 214.596



87, 47.716, 344.596



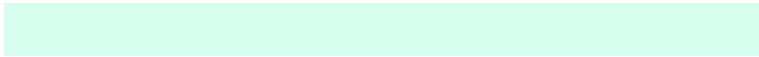
87, 47.716, 34.596

Sweetspot

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



87, 47.717, 164.595



97, 16.306, 168.934



88, 68.701, 130.045



51, 10.994, 168.723



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, 47.717, 164.595



91, 57.884, 163.019



85, 32.865, 209.017



49, 5.524, 169.594



66, 61.171, 155.801



20, 25.034, 159.505

Inverse Universe

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



65, 53.073, 357.096



64, 65.140, 359.344



66, 49.468, 32.167



47, 5.638, 351.220



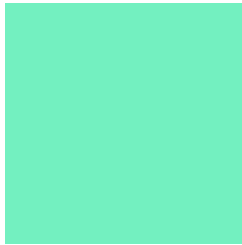
39, 66.472, 13.175



8, 28.801, 4.645

Previews

White Background



This preview shows how the CIELCh color 87, 47.716, 164.596 looks on a white background.

Color Contrast Check

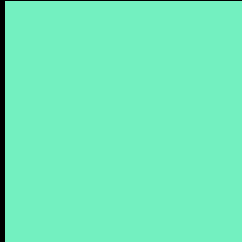
Large Text (above 18pt) WCAG AA × Fail

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, 47.716, 164.596 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, 47.716, 164.596

Background



This preview shows how black text looks on a background with the CIELCh color 87, 47.716, 164.596.

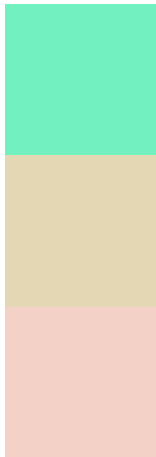


This preview shows how white text looks on a background with the CIELCh color 87, 47.716, 164.596.

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, 47.716, 164.596

Protanopia
86, 19.321, 94.684

Deuteranopia
86, 14.291, 41.570

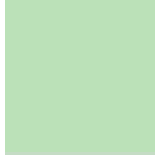


Tritanopia
87, 30.324, 216.992

Trichromacy



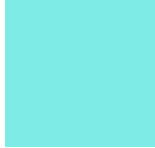
Original Color
87, 47.716, 164.596



Protanomaly
86, 25.676, 141.425



Deuteranomaly
86, 14.761, 143.839



Tritanomaly
87, 33.119, 192.655

Monochromacy



Original Color
87, 47.716, 164.596



Achromatopsia
80, 0.010, 296.813



Achromatomaly
82, 19.040, 167.935

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 47.716, 164.596 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(115, 240, 192)` looks like.

```
.text, #text, p{  
    color:rgb(115, 240, 192)  
}
```

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(115, 240, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 240, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 47.716, 164.596 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(115, 240, 192) }
```

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

```
.border{ border-color:rgb(115, 240, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 240, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 240, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 240, 192);  
box-shadow:4px 4px 4px 4px rgb(115, 240,  
192) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 47.716, 164.596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 240, 192) }
```

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

```
.background{ background-color: rgb(115,  
240, 192) }
```

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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