

Converting Colors

CIELCh(87, 48.027, 196.784)

Have a look what the booklet for
CIELCh(87, 48.027, 196.784)
contains.

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Color

CIELCh(87, 47.964, 197.037)

Conversions

Conversions Part 1

Format	Color
Hex	03F2F3
RGB	3, 242, 243
RGB Percent	1%, 95%, 95%
CMY	0.9875, 0.0509, 0.0470
CMYK	0.99, 0.00, 0.00, 0.05
HSL	180°, 97%, 48%
HSV	180°, 99%, 95%
XYZ	47.9762, 70.0064, 95.7906
YIQ	170.6530, -142.7650, -50.3570

Conversions

Conversions Part 2

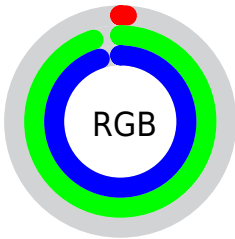
Format	Color
R _Y B	3, 123, 243
Decimal	258803
CIE Lab	87.00, -45.86, -14.05
CIE LCh	87, 47.964, 197.037
Yxy	70.0064, 0.2244, 0.3275
Android (android.graphics.Color)	4278448883 (0xFF03F2F3)
YUV	170.6530, 35.6671, -147.0317
Hunter-Lab	83.6698, -44.0705, -9.3101

Details

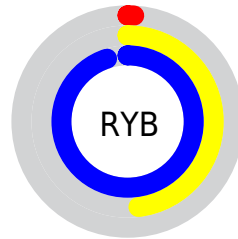
The CIELCh color **87, 47.964, 197.037** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **51, 100.089, 39.745**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 38.875, 197.039**, and **68, 39.093, 198.057** is the 20% darker color. If you saturate the color by 10%, you get **87, 48.028, 197.040**, and if you desaturate by 10%, it is **87, 47.264, 197.022**.

Distribution



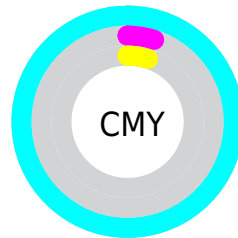
- Red (1%)
- Green (95%)
- Blue (95%)



- Red (1%)
- Yellow (48%)
- Blue (95%)



- Cyan (99%)
- Magenta (0%)
- Yellow (0%)
- Black (5%)




- Cyan (99%)
- Magenta (5%)
- Yellow (5%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 47.964, 197.037 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, 47.964, 197.037 by changing the saturation by 10% instead.


 87, 47.964,
197.037

 87, 47.964,
197.037


 100, 47.964,
197.037

 77, 47.964,
197.037

 67, 47.964,
197.037

 57, 47.964,
197.037

 47, 47.964,
197.037

 37, 47.964,
197.037

 27, 47.964,
197.037

 17, 47.964,

197.037

■ 7, 47.964, 197.037

■ 0, 47.964, 197.037

■ 87, 47.964,
197.037

■ 87, 47.964,
197.037

■ 87, 48.028,
197.040

■ 87, 47.264,
197.022

■ 87, 45.702,
197.068

■ 88, 43.117,
197.183

■ 88, 39.458,
197.372

■ 89, 34.743,

197.634

■ 90, 29.045,
197.967

■ 91, 22.474,
198.366

■ 93, 15.164,
198.830

■ 94, 7.254, 199.375

Harmonies

Complementary

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



87, 47.964, 197.037



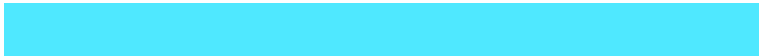
51, 100.089, 39.745

Rectangle

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



87, 47.964, 197.037



87, 47.964, 247.037



87, 47.964, 17.037



87, 47.964, 67.037

Sweetspot

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



87, 47.963, 197.036



95, 24.303, 198.307



84, 115.217, 136.053



50, 16.293, 198.134



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, 47.963, 197.036



91, 49.810, 197.041



53, 69.890, 284.332



50, 4.763, 199.326



68, 39.324, 197.029



22, 17.498, 196.943

Inverse Universe

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



58, 110.844, 328.392



60, 115.185, 328.401



64, 81.846, 60.248



48, 8.734, 325.056



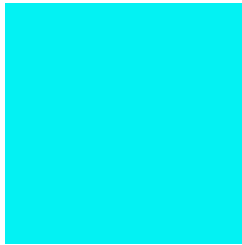
44, 90.932, 328.398



11, 40.447, 328.376

Previews

White Background



This preview shows how the CIE LCh color 87, 47.964, 197.037 looks on a white background.

Color Contrast Check

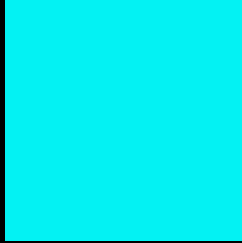
Large Text (above 18pt) WCAG AA × Fail

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, 47.964, 197.037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

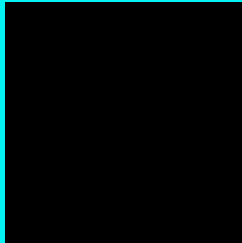
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 47.964, 197.037

Background



This preview shows how black text looks on a background with the CIELCh color 87, 47.964, 197.037.

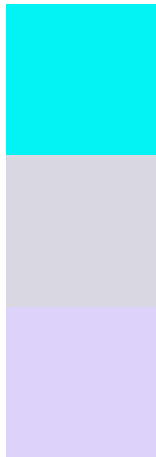


This preview shows how white text looks on a background with the CIELCh color 87, 47.964, 197.037.

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](#).

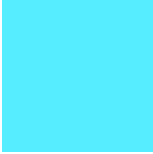
Dichromacy



Original Color
87, 47.964, 197.037

Protanopia
86, 5.828, 297.639

Deuteranopia
86, 20.822, 301.209



Tritanopia
87, 39.856, 210.872

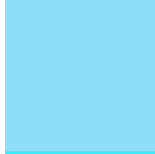
Trichromacy



Original Color
87, 47.964, 197.037



Protanomaly
85, 26.826, 205.631



Deuteranomaly
84, 26.941, 227.533

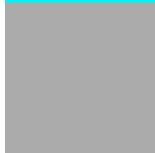


Tritanomaly
87, 43.806, 205.073

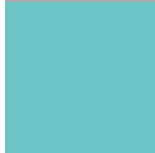
Monochromacy



Original Color
87, 47.964, 197.037



Achromatopsia
70, 0.009, 296.813



Achromatomaly
74, 27.420, 197.371

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 47.964, 197.037 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(3, 242, 243)` looks like.

```
.text, #text, p{  
    color:rgb(3, 242, 243)  
}
```

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(3, 242, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 242, 243) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 47.964, 197.037 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(3, 242, 243) }
```

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

```
.border{ border-color:rgb(3, 242, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 242, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 242, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 242, 243);  
box-shadow:4px 4px 4px 4px rgb(3, 242,  
243) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 47.964, 197.037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 242, 243) }
```

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

```
.background{ background-color: rgb(3, 242,  
243) }
```

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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