

Converting Colors

CIELCh(87, 41.051, 196.667)

Have a look what the booklet for
CIELCh(87, 41.051, 196.667)
contains.

CIELCh(87, 41.044, 196.791)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(87, 41.044, 196.791)

Conversions

Conversions Part 1

Format	Color
Hex	57EFEF
RGB	87, 239, 239
RGB Percent	34%, 94%, 94%
CMY	0.6587, 0.0626, 0.0627
CMYK	0.64, 0.00, 0.00, 0.06
HSL	180°, 83%, 64%
HSV	180°, 64%, 94%
XYZ	50.3890, 70.0064, 92.5350
YIQ	193.5520, -90.5920, -32.2240

Conversions

Conversions Part 2

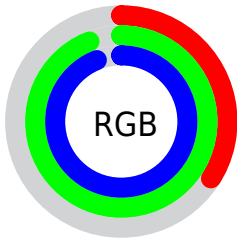
Format	Color
RYB	87, 163, 239
Decimal	5763055
CIELab	87.00, -39.29, -11.86
CIELCh	87, 41.044, 196.791
Yxy	70.0064, 0.2366, 0.3288
Android (android.graphics.Color)	4283953135 (0xFF57EFEF)
YUV	193.5520, 22.4059, -93.4461
Hunter-Lab	83.6698, -38.9229, -7.0032

Details

The CIELCh color **87, 41.044, 196.791** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **58, 66.546, 28.632**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 31.155, 197.500**, and **67, 38.757, 197.231** is the 20% darker color. If you saturate the color by 10%, you get **87, 44.165, 196.599**, and if you desaturate by 10%, it is **88, 36.864, 197.047**.

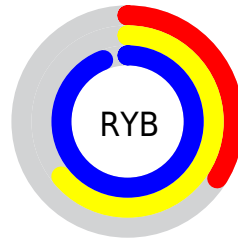
Distribution



Red (34%)

Green (94%)

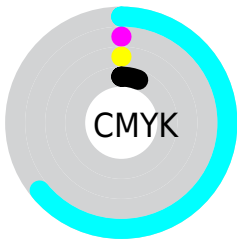
Blue (94%)



Red (34%)

Yellow (64%)

Blue (94%)

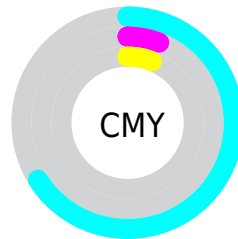


Cyan (64%)

Magenta (0%)

Yellow (0%)

Black (6%)



Cyan (66%)

Magenta (6%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 41.044, 196.791 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, 41.044, 196.791 by changing the saturation by 10% instead.

■ 87, 41.044,
196.791

■ 87, 41.044,
196.791

■ 100, 41.044,
196.791

■ 77, 41.044,
196.791

■ 67, 41.044,
196.791

■ 57, 41.044,
196.791

■ 47, 41.044,
196.791

■ 37, 41.044,
196.791

■ 27, 41.044,
196.791

■ 17, 41.044,

196.791

■ 7, 41.044, 196.791

■ 0, 41.044, 196.791

■ 87, 41.044,
196.791

■ 87, 41.044,
196.791

■ 87, 44.165,
196.599

■ 88, 36.864,
197.047

■ 86, 46.243,
196.474

■ 89, 31.674,
197.372

■ 86, 47.365,
196.406

■ 90, 25.565,
197.761

■ 86, 47.720,
196.385

■ 91, 18.659,
198.212

■ 92, 11.092,

198.727

■ 94, 3.003, 199.414

■ 96, 5.481, 19.658

■ 96, 5.715, 19.677

■ 96, 5.715, 19.676

Harmonies

Complementary

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



87, 41.044, 196.791



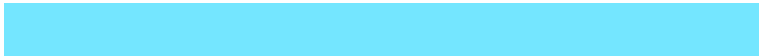
58, 66.546, 28.632

Rectangle

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



87, 41.044, 196.791



87, 41.044, 246.791



87, 41.044, 16.791



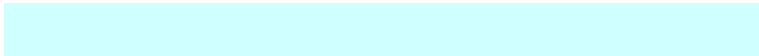
87, 41.044, 66.791

Sweetspot

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



87, 41.044, 196.790



97, 16.080, 198.436



84, 90.625, 138.504



51, 10.963, 198.292



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, 41.044, 196.790



92, 47.072, 196.559



66, 44.015, 267.481



49, 4.701, 198.965



68, 39.157, 196.385



21, 17.094, 196.385

Inverse Universe

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



58, 66.546, 28.632



57, 84.841, 32.814



72, 54.135, 65.720



47, 4.993, 19.938



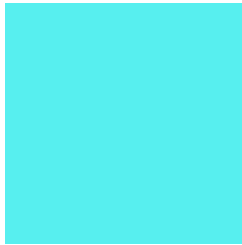
38, 81.702, 39.995



8, 29.836, 23.806

Previews

White Background



This preview shows how the CIE LCh color 87, 41.044, 196.791 looks on a white background.

Color Contrast Check

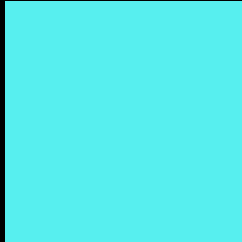
Large Text (above 18pt) WCAG AA × Fail

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, 41.044, 196.791 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

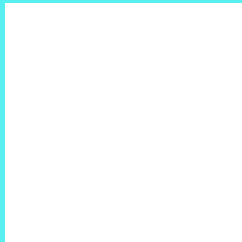
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 41.044, 196.791

Background



This preview shows how black text looks on a background with the CIELCh color 87, 41.044, 196.791.



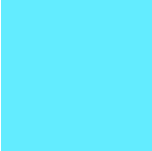
This preview shows how white text looks on a background with the CIELCh color 87, 41.044, 196.791.

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, 37.586, 212.708

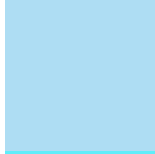
Trichromacy



Original Color
87, 41.044, 196.791



Protanomaly
86, 17.978, 206.691



Deuteranomaly
86, 18.726, 236.938

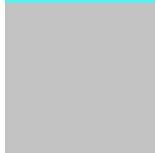


Tritanomaly
87, 38.464, 206.548

Monochromacy



Original Color
87, 41.044, 196.791



Achromatopsia
78, 0.009, 296.813



Achromatomaly
81, 18.492, 198.099

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 41.044, 196.791 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(87, 239, 239)` looks like.

```
.text, #text, p{  
    color:rgb(87, 239, 239)  
}
```

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(87, 239, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 239, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 41.044, 196.791 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(87, 239, 239) }
```

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

```
.border{ border-color:rgb(87, 239, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 239, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(87, 239, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(87, 239, 239); box-shadow:4px 4px 4px 4px rgb(87, 239, 239) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 41.044, 196.791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 239, 239) }
```

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

```
.background{ background-color: rgb(87, 239,  
239) }
```

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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