

Converting Colors

CIELCh(87, 43.980, 207.755)

Have a look what the booklet for
CIELCh(87, 43.980, 207.755)
contains.

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Color

CIELCh(87, 44.068, 207.136)

Conversions

Conversions Part 1

Format	Color
Hex	33F0FF
RGB	51, 240, 255
RGB Percent	20%, 94%, 100%
CMY	0.7989, 0.0603, 0.0015
CMYK	0.80, 0.06, 0.00, 0.00
HSL	184°, 100%, 60%
HSV	184°, 80%, 100%
XYZ	50.4177, 70.0064, 105.1469
YIQ	185.1990, -117.4590, -35.4030

Conversions

Conversions Part 2

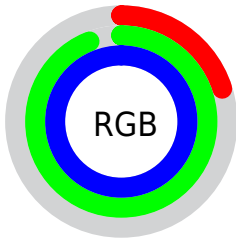
Format	Color
R_{YB}	51, 149, 255
Decimal	3404031
CIE _{Lab}	87.00, -39.22, -20.10
CIE _{LCh}	87, 44.068, 207.136
Yxy	70.0064, 0.2235, 0.3104
Android (android.graphics.Color)	4281594111 (0xFF33F0FF)
YUV	185.1990, 34.4119, -117.6925
Hunter-Lab	83.6698, -38.8617, -15.9402

Details

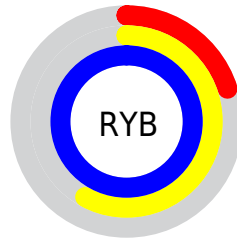
The CIELCh color **87, 44.068, 207.136** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **57, 86.392, 36.616**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 35.800, 197.221**, and **68, 37.670, 209.509** is the 20% darker color. If you saturate the color by 10%, you get **86, 45.234, 208.108**, and if you desaturate by 10%, it is **88, 41.858, 206.408**.

Distribution



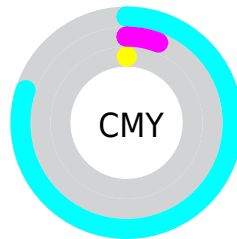
- Red (20%)
- Green (94%)
- Blue (100%)



- Red (20%)
- Yellow (58%)
- Blue (100%)



- Cyan (80%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 44.068, 207.136 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, 44.068, 207.136 by changing the saturation by 10% instead.

 87, 44.068,
207.136

 87, 44.068,
207.136


 100, 44.068,
207.136

 77, 44.068,
207.136

 67, 44.068,
207.136

 57, 44.068,
207.136

 47, 44.068,
207.136

 37, 44.068,
207.136

 27, 44.068,
207.136

 17, 44.068,

207.136

■ 7, 44.068, 207.136

■ 0, 44.068, 207.136

■ 87, 44.068,
207.136

■ 87, 44.068,
207.136

■ 86, 45.234,
208.108

■ 88, 41.858,
206.408

■ 86, 45.563,
209.318

■ 89, 38.556,
205.903

■ 86, 45.565,
209.335

■ 90, 34.181,
205.594

■ 92, 28.811,
205.454

■ 94, 22.563,

205.456

■ 96, 15.568,
205.581

■ 98, 7.966, 205.828

100, 0.113, 20.104

100, 0.178,
109.730

Harmonies

Complementary

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



87, 44.068, 207.136



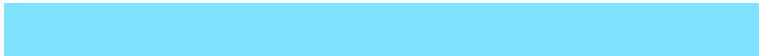
57, 86.392, 36.616

Rectangle

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



87, 44.068, 207.136



87, 44.068, 257.136



87, 44.068, 27.136



87, 44.068, 77.136

Sweetspot

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



87, 44.067, 207.135



95, 18.564, 205.516



88, 108.122, 138.254



50, 12.585, 205.475



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, 44.067, 207.135



86, 45.545, 208.833



58, 66.130, 282.382



52, 4.601, 205.840



66, 36.788, 209.092



22, 17.081, 207.422

Inverse Universe

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



62, 103.033, 330.722



60, 108.523, 331.329



75, 72.348, 70.738



50, 8.612, 327.013



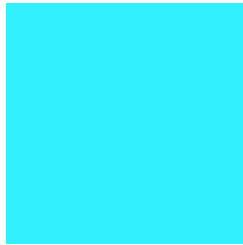
45, 87.838, 331.411



12, 40.693, 331.001

Previews

White Background



This preview shows how the CIE LCh color 87, 44.068, 207.136 looks on a white background.

Color Contrast Check

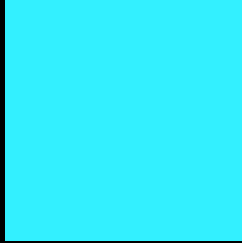
Large Text (above 18pt) WCAG AA × Fail

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, 44.068, 207.136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

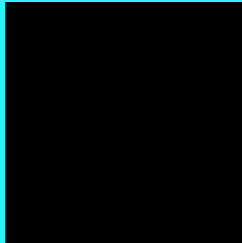
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 44.068, 207.136

Background



This preview shows how black text looks on a background with the CIELCh color 87, 44.068, 207.136.



This preview shows how white text looks on a background with the CIELCh color 87, 44.068, 207.136.

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



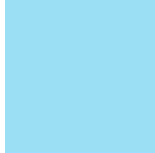


Tritanopia
87, 39.577, 210.987

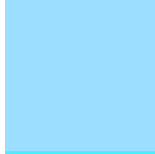
Trichromacy



Original Color
87, 44.149, 207.112



Protanomaly
85, 23.721, 226.114



Deuteranomaly
85, 26.128, 240.321

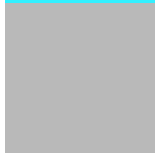


Tritanomaly
87, 41.457, 209.469

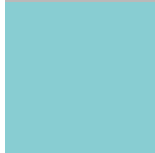
Monochromacy



Original Color
87, 44.149, 207.112



Achromatopsia
75, 0.009, 296.813



Achromatomaly
78, 22.422, 204.744

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 44.068, 207.136 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(51, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 240, 255)  
}
```

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(51, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 240, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 44.068, 207.136 is called "border". The border property can be set on classes, ids or directly on the HTML element.

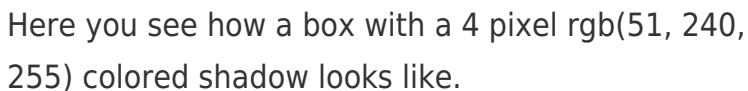
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(51, 240, 255) }
```

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

```
.border{ border-color:rgb(51, 240, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(51, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 240,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 44.068, 207.136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 240, 255) }
```

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

```
.background{ background-color: rgb(51, 240,  
255) }
```

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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