

Converting Colors

CIELCh(87, 40.593, 208.795)

Have a look what the booklet for
CIELCh(87, 40.593, 208.795)
contains.

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Color

CIELCh(87, 40.595, 209.010)

Conversions

Conversions Part 1

Format	Color
Hex	51EEFE
RGB	81, 238, 254
RGB Percent	32%, 93%, 100%
CMY	0.6827, 0.0669, 0.0042
CMYK	0.68, 0.06, 0.00, 0.00
HSL	186°, 99%, 66%
HSV	186°, 68%, 100%
XYZ	51.8190, 70.0064, 104.4900
YIQ	192.8810, -98.7080, -28.3080

Conversions

Conversions Part 2

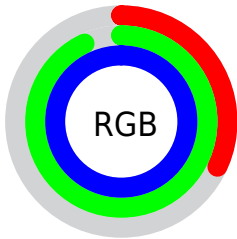
Format	Color
R _Y B	81, 163, 254
Decimal	5369598
CIE Lab	87.00, -35.50, -19.69
CIE LCh	87, 40.595, 209.010
Yxy	70.0064, 0.2290, 0.3093
Android (android.graphics.Color)	4283559678 (0xFF51EEFE)
YUV	192.8810, 30.1317, -98.1196
Hunter-Lab	83.6698, -35.8723, -15.4747

Details

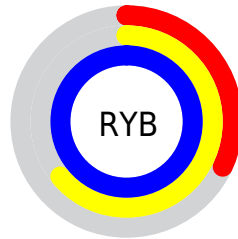
The CIELCh color **87, 40.595, 209.010** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **62, 71.510, 34.615**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 31.890, 197.456**, and **68, 37.515, 209.578** is the 20% darker color. If you saturate the color by 10%, you get **86, 42.941, 209.948**, and if you desaturate by 10%, it is **88, 37.169, 208.335**.

Distribution



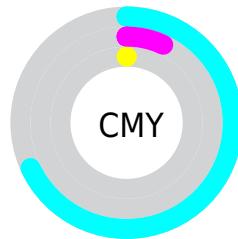
- Red (32%)
- Green (93%)
- Blue (100%)



- Red (32%)
- Yellow (64%)
- Blue (100%)



- Cyan (68%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)





- Cyan (68%)
- Magenta (7%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 40.595, 209.010 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, 40.595, 209.010 by changing the saturation by 10% instead.


 87, 40.595,
209.010


 87, 40.595,
209.010


 100, 40.595,
209.010


 77, 40.595,
209.010

 67, 40.595,
209.010

 57, 40.595,
209.010

 47, 40.595,
209.010

 37, 40.595,
209.010

 27, 40.595,
209.010

 17, 40.595,

209.010

■ 7, 40.595, 209.010

■ 0, 40.595, 209.010

■ 87, 40.595,
209.010

■ 87, 40.595,
209.010

■ 86, 42.941,
209.948

■ 88, 37.169,
208.335

■ 85, 44.247,
211.188

■ 90, 32.699,
207.889

■ 84, 44.660,
212.740

■ 92, 27.270,
207.637

■ 84, 44.693,
213.048

■ 93, 21.000,
207.546

■ 95, 14.024,

207.593

■ 98, 6.475, 207.783

■ 100, 0.303, 63.457

■ 100, 0.530,
109.992

Harmonies

Complementary

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



87, 40.595, 209.010



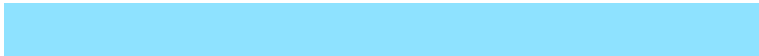
62, 71.510, 34.615

Rectangle

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



87, 40.595, 209.010



87, 40.595, 259.010



87, 40.595, 29.010



87, 40.595, 79.010

Sweetspot

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



87, 40.594, 209.009



95, 15.426, 207.574



89, 95.893, 140.149



50, 10.424, 207.555



0, 0.000, 0.000



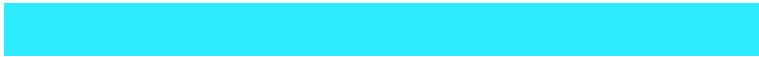
53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



87, 40.594, 209.009



86, 43.706, 210.393



63, 57.587, 279.336



52, 4.525, 207.744



65, 36.159, 212.733



22, 16.800, 210.552

Inverse Universe

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



64, 92.870, 330.905



61, 102.936, 331.568



79, 62.283, 74.334



50, 8.501, 327.572



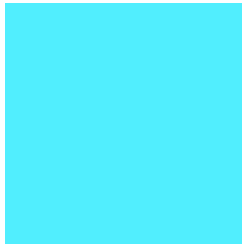
44, 86.555, 332.303



12, 40.169, 331.769

Previews

White Background



This preview shows how the CIE LCh color 87, 40.595, 209.010 looks on a white background.

Color Contrast Check

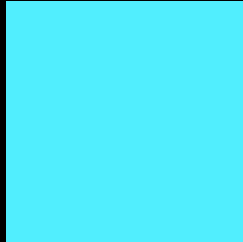
Large Text (above 18pt) WCAG AA × Fail

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, 40.595, 209.010 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, 40.595, 209.010

Background



This preview shows how black text looks on a background with the CIELCh color 87, 40.595, 209.010.



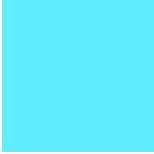
This preview shows how white text looks on a background with the CIELCh color 87, 40.595, 209.010.

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



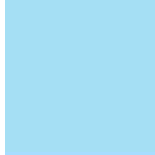


Tritanopia
87, 38.392, 211.492

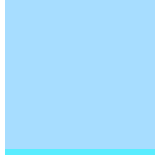
Trichromacy



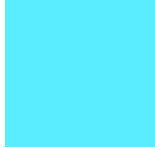
Original Color
87, 40.595, 209.010



Protanomaly
86, 21.081, 230.126



Deuteranomaly
86, 23.966, 247.176

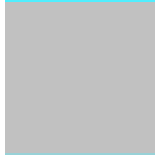


Tritanomaly
87, 39.145, 211.168

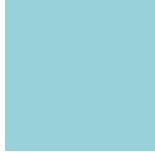
Monochromacy



Original Color
87, 40.595, 209.010



Achromatopsia
78, 0.009, 296.813



Achromatomaly
80, 18.998, 207.863

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 40.595, 209.010 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(81, 238, 254)` looks like.

```
.text, #text, p{  
    color:rgb(81, 238, 254)  
}
```

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(81, 238, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 238, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 40.595, 209.010 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(81, 238, 254) }
```

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

```
.border{ border-color:rgb(81, 238, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 238, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 238, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 238, 254);  
box-shadow:4px 4px 4px 4px rgb(81, 238,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 40.595, 209.010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 238, 254) }
```

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

```
.background{ background-color: rgb(81, 238,  
254) }
```

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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