

Converting Colors

CIELCh(87, 35.172, 213.935)

Have a look what the booklet for
CIELCh(87, 35.172, 213.935)
contains.

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Color

CIELCh(87, 35.152, 213.954)

Conversions

Conversions Part 1

Format	Color
Hex	70EBFE
RGB	112, 235, 254
RGB Percent	44%, 92%, 100%
CMY	0.5608, 0.0785, 0.0040
CMYK	0.56, 0.07, 0.00, 0.00
HSL	188°, 99%, 72%
HSV	188°, 56%, 100%
XYZ	54.2710, 70.0064, 104.4047
YIQ	200.3890, -79.4070, -20.1670

Conversions

Conversions Part 2

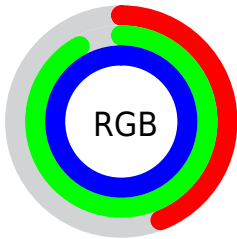
Format	Color
R _Y B	112, 178, 254
Decimal	7400446
CIE Lab	87.00, -29.16, -19.63
CIE LCh	87, 35.152, 213.954
Yxy	70.0064, 0.2373, 0.3061
Android (android.graphics.Color)	4285590526 (0xFF70EBFE)
YUV	200.3890, 26.4302, -77.5172
Hunter-Lab	83.6698, -30.6412, -15.4142

Details

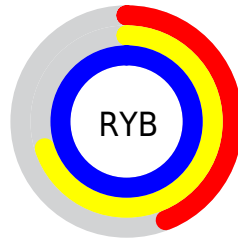
The CIELCh color **87, 35.152, 213.954** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **68, 55.111, 35.158**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 25.662, 197.835**, and **67, 35.187, 213.508** is the 20% darker color. If you saturate the color by 10%, you get **85, 38.737, 215.037**, and if you desaturate by 10%, it is **89, 30.579, 213.173**.

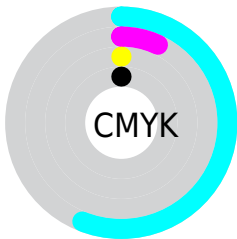
Distribution



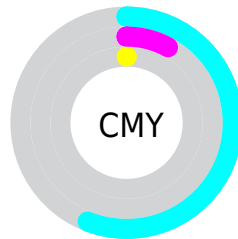
- Red (44%)
- Green (92%)
- Blue (100%)



- Red (44%)
- Yellow (70%)
- Blue (100%)



- Cyan (56%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)





- Cyan (56%)
- Magenta (8%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 35.152, 213.954 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, 35.152, 213.954 by changing the saturation by 10% instead.


 87, 35.152,
213.954


 87, 35.152,
213.954


 100, 35.152,
213.954


 77, 35.152,
213.954

 67, 35.152,
213.954

 57, 35.152,
213.954

 47, 35.152,
213.954

 37, 35.152,
213.954


 27, 35.152,
213.954


 17, 35.152,


213.954


 7, 35.152, 213.954

 0, 35.152, 213.954


 87, 35.152,
213.954


 87, 35.152,
213.954


 85, 38.737,
215.037


 89, 30.579,
213.173


 84, 41.290,
216.486

 91, 25.112,
212.645

 83, 42.836,
218.358

 93, 18.870,
212.323

 81, 43.491,
220.693

 96, 11.982,
212.175

 81, 43.607,

 98, 4.573, 212.223

221.747

100, 0.503,
109.987

Harmonies

Complementary

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



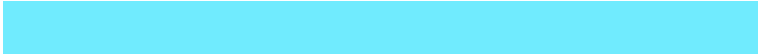
87, 35.152, 213.954



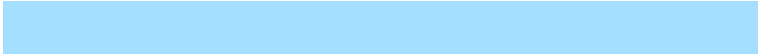
68, 55.111, 35.158

Rectangle

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



87, 35.152, 213.954



87, 35.152, 263.954



87, 35.152, 33.954



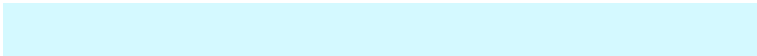
87, 35.152, 83.954

Sweetspot

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



87, 35.151, 213.952



96, 12.804, 212.183



90, 78.772, 143.158



50, 8.510, 212.204



0, 0.000, 0.000



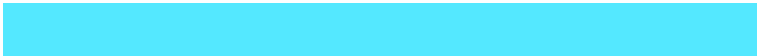
53, 0.007, 296.813

Same Dimension

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



87, 35.151, 213.952



85, 39.189, 215.179



67, 50.608, 279.516



52, 4.376, 212.171



62, 35.258, 221.257



21, 16.343, 217.870

Inverse Universe

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



68, 77.884, 331.750



65, 89.603, 332.428



84, 52.043, 80.712



50, 8.260, 328.862



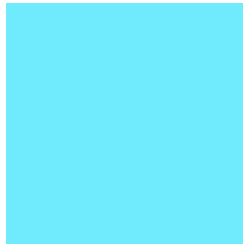
44, 83.804, 334.406



12, 39.040, 333.565

Previews

White Background



This preview shows how the CIE LCh color 87, 35.152, 213.954 looks on a white background.

Color Contrast Check

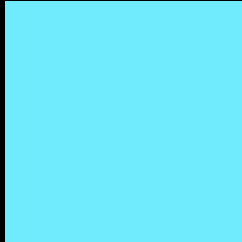
Large Text (above 18pt) WCAG AA × Fail

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, 35.152, 213.954 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, 35.152, 213.954

Background



This preview shows how black text looks on a background with the CIELCh color 87, 35.152, 213.954.



This preview shows how white text looks on a background with the CIELCh color 87, 35.152, 213.954.

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



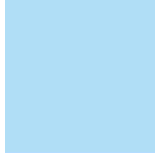


Tritanopia
87, 35.152, 213.954

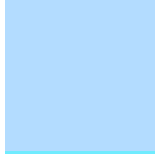
Trichromacy



Original Color
87, 35.152, 213.954



Protanomaly
86, 19.071, 240.228



Deuteranomaly
86, 22.077, 255.611

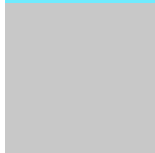


Tritanomaly
87, 35.152, 213.954

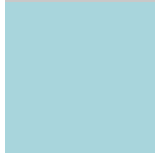
Monochromacy



Original Color
87, 35.152, 213.954



Achromatopsia
81, 0.010, 296.813



Achromatomaly
82, 15.450, 212.369

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 35.152, 213.954 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(112, 235, 254)` looks like.

```
.text, #text, p{  
    color:rgb(112, 235, 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(112, 235, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 235, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 35.152, 213.954 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(112, 235, 254) }
```

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

```
.border{ border-color:rgb(112, 235, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 235, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 235, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 235, 254);  
box-shadow:4px 4px 4px 4px rgb(112, 235,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 35.152, 213.954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 235, 254) }
```

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

```
.background{ background-color: rgb(112,  
235, 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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