

Converting Colors

CIELCh(87, 36.398, 222.958)

Have a look what the booklet for
CIELCh(87, 36.398, 222.958)
contains.

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Color

CIELCh(87, 35.584, 215.549)

Conversions

Conversions Part 1

Format	Color
Hex	6EEBFF
RGB	110, 235, 255
RGB Percent	43%, 92%, 100%
CMY	0.5682, 0.0785, 0.0000
CMYK	0.57, 0.08, 0.00, 0.00
HSL	188°, 100%, 72%
HSV	188°, 57%, 100%
XYZ	54.3520, 70.0064, 106.0894
YIQ	199.9050, -80.9200, -20.2800

Conversions

Conversions Part 2

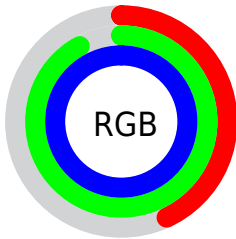
Format	Color
RYB	110, 177, 255
Decimal	7269375
CIELab	87.00, -28.95, -20.69
CIELCh	87, 35.584, 215.549
Yxy	70.0064, 0.2359, 0.3038
Android (android.graphics.Color)	4285459455 (0xFF6EEBFF)
YUV	199.9050, 27.1618, -78.8467
Hunter-Lab	83.6698, -30.4684, -16.6081

Details

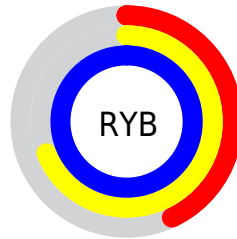
The CIELCh color **87, 35.584, 215.549** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **68, 56.218, 35.596**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 26.210, 197.801**, and **67, 35.592, 214.247** is the 20% darker color. If you saturate the color by 10%, you get **85, 39.034, 215.845**, and if you desaturate by 10%, it is **89, 31.044, 213.828**.

Distribution



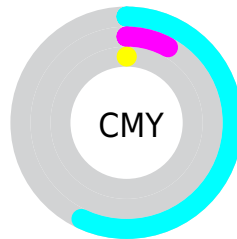
- Red (43%)
- Green (92%)
- Blue (100%)



- Red (43%)
- Yellow (69%)
- Blue (100%)



- Cyan (57%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (57%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 35.584, 215.549 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, 35.584, 215.549 by changing the saturation by 10% instead.

■ 87, 35.584,
215.549

■ 87, 35.584,
215.549

■ 100, 35.584,
215.549

■ 77, 35.584,
215.549

■ 67, 35.584,
215.549

■ 57, 35.584,
215.549

■ 47, 35.584,
215.549

■ 37, 35.584,
215.549

■ 27, 35.584,
215.549

■ 17, 35.584,

215.549

■ 7, 35.584, 215.549

■ 0, 35.584, 215.549

■ 87, 35.584,
215.549

■ 87, 35.584,
215.549

■ 85, 39.034,
215.845

■ 89, 31.044,
213.828

■ 84, 41.503,
217.396

■ 91, 25.651,
213.243

■ 82, 42.974,
219.387

■ 93, 19.472,
212.875

■ 81, 43.579,
221.859

■ 96, 12.637,
212.686

■ 81, 43.678,

■ 98, 5.271, 212.685

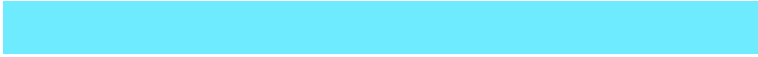
222.709

100, 0.012,
296.813

Harmonies

Complementary

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



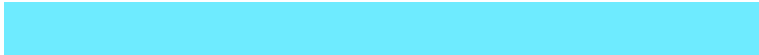
87, 35.584, 215.549



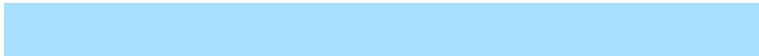
68, 56.218, 35.596

Rectangle

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



87, 35.584, 215.549



87, 35.584, 265.549



87, 35.584, 35.549



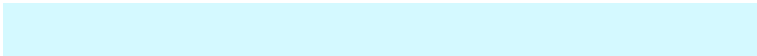
87, 35.584, 85.549

Sweetspot

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



87, 35.535, 214.677



96, 12.763, 212.688



90, 80.164, 143.035



50, 8.483, 212.713



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

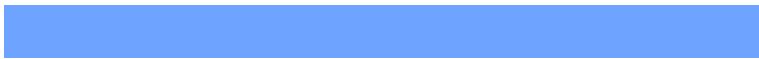
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87, 35.535, 214.677



85, 39.378, 216.007



67, 51.639, 279.794



52, 4.362, 212.659



62, 35.205, 222.194



20, 16.309, 218.677

Inverse Universe

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



68, 78.949, 331.971



64, 90.224, 332.665



84, 53.087, 80.572



50, 8.234, 329.004



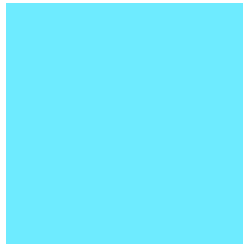
44, 83.519, 334.641



12, 38.922, 333.765

Previews

White Background



This preview shows how the CIE LCh color 87, 35.584, 215.549 looks on a white background.

Color Contrast Check

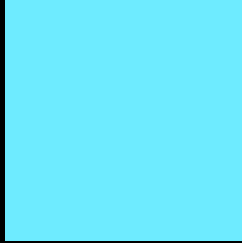
Large Text (above 18pt) WCAG AA × Fail

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, 35.584, 215.549 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

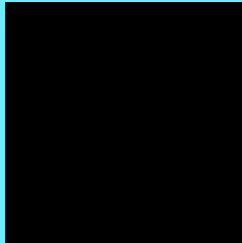
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 35.584, 215.549

Background



This preview shows how black text looks on a background with the CIELCh color 87, 35.584, 215.549.

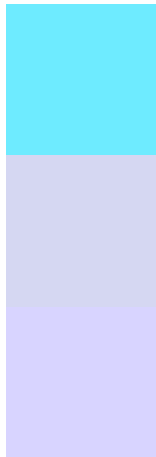


This preview shows how white text looks on a background with the CIELCh color 87, 35.584, 215.549.

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, 35.556, 214.644

Protanopia

87, 14.164, 288.601

Deuteranopia

86, 22.646, 295.413



Tritanopia
87, 35.515, 213.760

Trichromacy



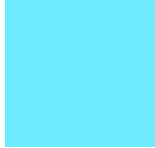
Original Color
87, 35.556, 214.644



Protanomaly
86, 19.379, 241.528



Deuteranomaly
86, 22.406, 254.347

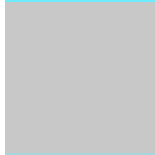


Tritanomaly
87, 35.515, 213.760

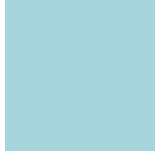
Monochromacy



Original Color
87, 35.556, 214.644



Achromatopsia
81, 0.010, 296.813



Achromatomaly
82, 15.752, 212.078

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 35.584, 215.549 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(110, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(110, 235, 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(110, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 235, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 35.584, 215.549 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(110, 235, 255) }
```

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

```
.border{ border-color:rgb(110, 235, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(110, 235,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 35.584, 215.549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 235, 255) }
```

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

```
.background{ background-color: rgb(110,  
235, 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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