

Converting Colors

CIELCh(87, 42.468, 208.085)

Have a look what the booklet for
CIELCh(87, 42.468, 208.085)
contains.

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Color

CIELCh(87, 42.478, 207.620)

Conversions

Conversions Part 1	
Format	Color
Hex	43EFFE
RGB	67, 239, 254
RGB Percent	26%, 94%, 100%
CMY	0.7379, 0.0632, 0.0043
CMYK	0.74, 0.06, 0.00, 0.00
HSL	185°, 99%, 63%
HSV	185°, 74%, 100%
XYZ	51.0105, 70.0064, 104.4995
YIQ	189.2820, -107.3270, -31.7990

Conversions

Conversions Part 2

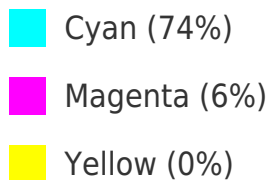
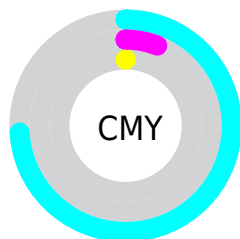
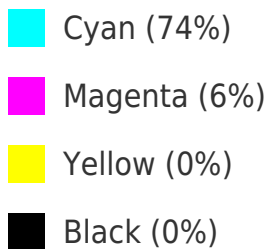
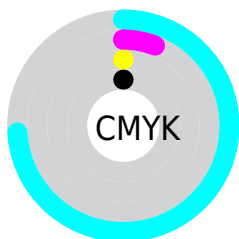
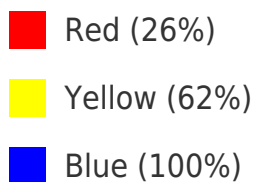
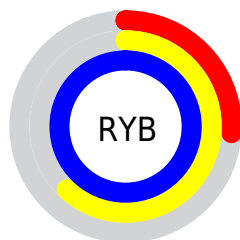
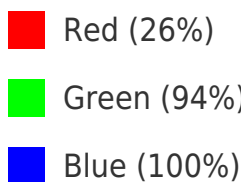
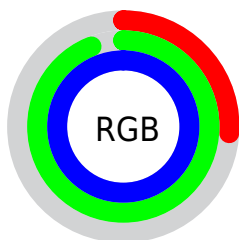
Format	Color
RYB	67, 157, 254
Decimal	4452350
CIELab	87.00, -37.64, -19.69
CIELCh	87, 42.478, 207.620
Yxy	70.0064, 0.2262, 0.3104
Android (android.graphics.Color)	4282642430 (0xFF43EFFE)
YUV	189.2820, 31.9060, -107.2413
Hunter-Lab	83.6698, -37.5972, -15.4814

Details

The CIELCh color **87, 42.478, 207.620** 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 **59, 78.707, 35.284**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 34.015, 197.328**, and **68, 37.515, 209.578** is the 20% darker color. If you saturate the color by 10%, you get **86, 44.260, 208.533**, and if you desaturate by 10%, it is **88, 39.618, 206.955**.


Distribution





Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 42.478, 207.620 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, 42.478, 207.620 by changing the saturation by 10% instead.


 87, 42.478,
207.620


 87, 42.478,
207.620


 100, 42.478,
207.620


 77, 42.478,
207.620

 67, 42.478,
207.620

 57, 42.478,
207.620

 47, 42.478,
207.620

 37, 42.478,
207.620


 27, 42.478,
207.620


 17, 42.478,

207.620


 7, 42.478, 207.620


 0, 42.478, 207.620


 87, 42.478,
207.620


 87, 42.478,
207.620


 86, 44.260,
208.533


 88, 39.618,
206.955


 85, 45.051,
209.720

 89, 35.677,
206.512


 85, 45.180,
210.592

 91, 30.715,
206.258

 93, 24.834,
206.166

 94, 18.161,

206.210

 97, 10.835,
206.376

 99, 2.987, 206.764

100, 0.550,
109.996

Harmonies

Complementary

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



87, 42.478, 207.620



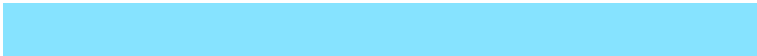
59, 78.707, 35.284

Rectangle

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



87, 42.478, 207.620



87, 42.478, 257.620



87, 42.478, 27.620



87, 42.478, 77.620

Sweetspot

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



87, 42.477, 207.619



95, 17.038, 206.229



88, 102.455, 139.024



50, 11.338, 206.200



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, 42.477, 207.619



86, 44.865, 209.015



61, 60.726, 279.917



52, 4.575, 206.487



66, 36.557, 210.325



22, 16.980, 208.483

Inverse Universe

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



63, 98.242, 330.707



60, 106.313, 331.310



77, 67.005, 71.884



50, 8.574, 327.203



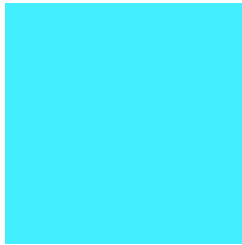
45, 87.394, 331.714



12, 40.512, 331.262

Previews

White Background



This preview shows how the CIELCh color 87, 42.478, 207.620 looks on a white background.

Color Contrast Check

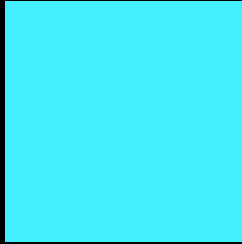
Large Text (above 18pt) WCAG AA × Fail

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, 42.478, 207.620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

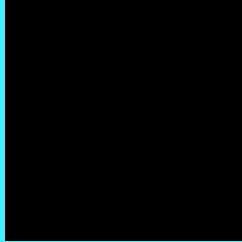
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 42.478, 207.620

Background



This preview shows how black text looks on a background with the CIELCh color 87, 42.478, 207.620.

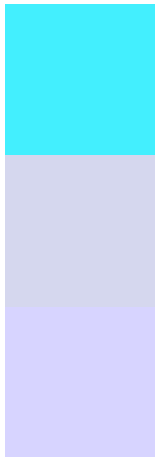


This preview shows how white text looks on a background with the CIELCh color 87, 42.478, 207.620.

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

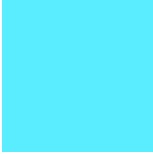
87, 42.478, 207.620

Protanopia

86, 12.072, 287.925

Deuteranopia

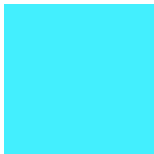
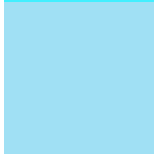
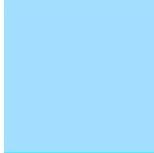
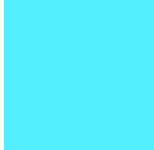
86, 22.624, 294.572



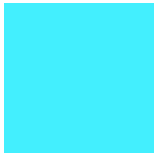
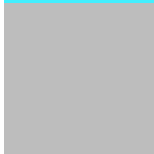
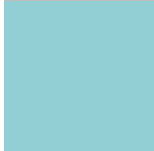
Tritanopia

87, 39.145, 211.168

Trichromacy

	Original Color 87, 42.478, 207.620
	Protanomaly 86, 22.332, 226.496
	Deuteranomaly 86, 24.958, 242.829
	Tritanomaly 87, 40.448, 209.844

Monochromacy

	Original Color 87, 42.478, 207.620
	Achromatopsia 77, 0.009, 296.813
	Achromatomaly 79, 20.451, 207.076

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 42.478, 207.620 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(67, 239, 254)` looks like.

```
.text, #text, p{  
    color:rgb(67, 239, 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(67, 239, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 239, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 42.478, 207.620 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(67, 239, 254) }
```

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

```
.border{ border-color:rgb(67, 239, 254) }
```

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

Here you see how a box with a 4 pixel rgb(67, 239, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 239, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 239, 254);  
box-shadow:4px 4px 4px 4px rgb(67, 239,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 42.478, 207.620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 239, 254) }
```

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

```
.background{ background-color: rgb(67, 239,  
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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