

Converting Colors

CIELCh(87, 36.257, 214.261)

Have a look what the booklet for
CIELCh(87, 36.257, 214.261)
contains.

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Color

CIELCh(87, 36.257, 214.261)

Conversions

Conversions Part 1

Format	Color
Hex	6AEBFF
RGB	106, 235, 255
RGB Percent	42%, 92%, 100%
CMY	0.5824, 0.0767, 0.0000
CMYK	0.58, 0.08, 0.00, 0.00
HSL	188°, 100%, 71%
HSV	188°, 58%, 100%
XYZ	53.9546, 70.0064, 105.6452
YIQ	198.7090, -83.3040, -21.1280

Conversions

Conversions Part 2

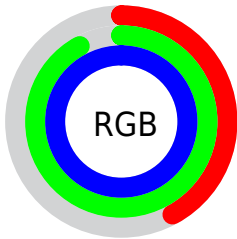
Format	Color
RYB	106, 175, 255
Decimal	7007231
CIELab	87.00, -29.97, -20.41
CIELCh	87, 36.257, 214.261
Yxy	70.0064, 0.2350, 0.3049
Android (android.graphics.Color)	4285197311 (0xFF6AEBFF)
YUV	198.7090, 27.7515, -81.3058
Hunter-Lab	83.6698, -31.3162, -16.2933

Details

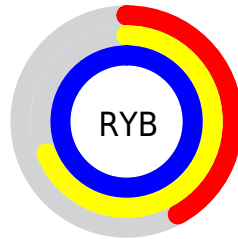
The CIELCh color **87, 36.257, 214.261** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **67, 58.141, 35.326**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 27.023, 197.751**, and **67, 36.262, 213.871** is the 20% darker color. If you saturate the color by 10%, you get **85, 39.597, 215.020**, and if you desaturate by 10%, it is **89, 31.874, 213.053**.

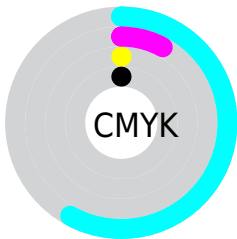
Distribution



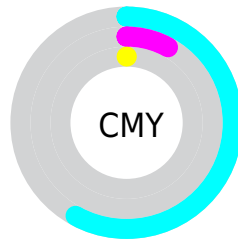
- Red (42%)
- Green (92%)
- Blue (100%)



- Red (42%)
- Yellow (69%)
- Blue (100%)



- Cyan (58%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)





- Cyan (58%)
- Magenta (8%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 36.257, 214.261 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, 36.257, 214.261 by changing the saturation by 10% instead.


 87, 36.257,
214.261


 87, 36.257,
214.261


 100, 36.257,
214.261


 77, 36.257,
214.261

 67, 36.257,
214.261

 57, 36.257,
214.261

 47, 36.257,
214.261

 37, 36.257,
214.261

 27, 36.257,
214.261

 17, 36.257,

214.261

■ 7, 36.257, 214.261

■ 0, 36.257, 214.261

■ 87, 36.257,
214.261

■ 87, 36.257,
214.261

■ 85, 39.597,
215.020

■ 89, 31.874,
213.053

■ 84, 41.915,
216.533

■ 91, 26.583,
212.488

■ 83, 43.237,
218.473

■ 93, 20.483,
212.136

■ 82, 43.721,
220.864

■ 95, 13.703,
211.960

■ 81, 43.771,

■ 98, 6.370, 211.958

221.310

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.



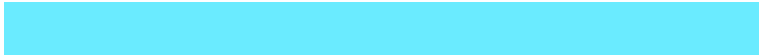
87, 36.257, 214.261



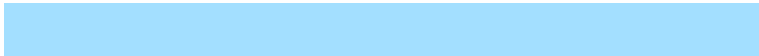
67, 58.141, 35.326

Rectangle

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



87, 36.257, 214.261



87, 36.257, 264.261



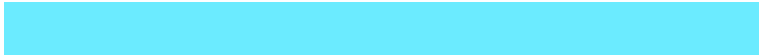
87, 36.257, 34.261



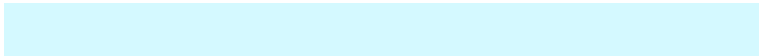
87, 36.257, 84.261

Sweetspot

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



87, 36.240, 213.879



96, 12.824, 211.950



90, 82.832, 142.370



50, 8.523, 211.968



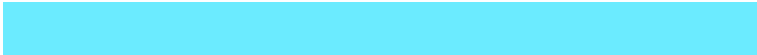
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

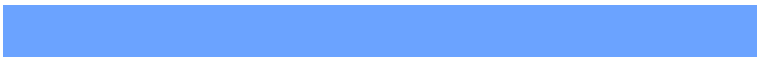
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87, 36.240, 213.879



85, 40.081, 215.258



67, 51.704, 278.872



52, 4.383, 211.946



63, 35.286, 220.823



21, 16.360, 217.497

Inverse Universe

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



68, 80.876, 331.817



64, 92.320, 332.529



83, 53.974, 78.891



50, 8.272, 328.797



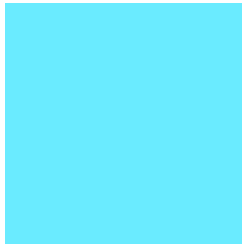
44, 83.937, 334.298



12, 39.094, 333.473

Previews

White Background



This preview shows how the CIE LCh color 87, 36.257, 214.261 looks on a white background.

Color Contrast Check

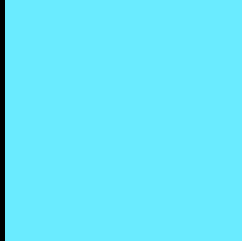
Large Text (above 18pt) WCAG AA × Fail

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, 36.257, 214.261 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, 36.257, 214.261

Background



This preview shows how black text looks on a background with the CIELCh color 87, 36.257, 214.261.

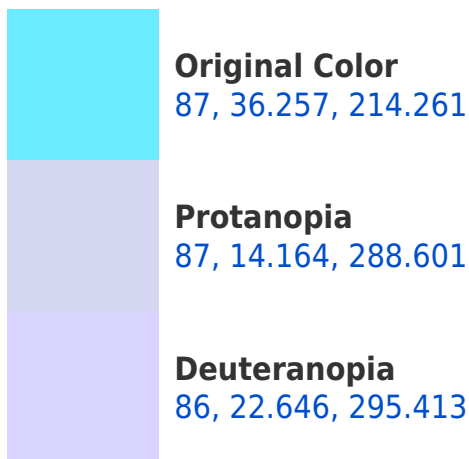


This preview shows how white text looks on a background with the CIELCh color 87, 36.257, 214.261.

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, 36.418, 213.283

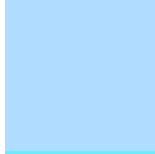
Trichromacy



Original Color
87, 36.257, 214.261



Protanomaly
86, 19.815, 240.349



Deuteranomaly
86, 22.344, 252.165

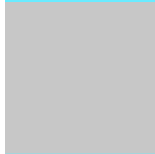


Tritanomaly
87, 36.418, 213.283

Monochromacy



Original Color
87, 36.257, 214.261



Achromatopsia
80, 0.010, 296.813



Achromatomaly
82, 16.060, 211.799

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 36.257, 214.261 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(106, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(106, 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(106, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 235, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 36.257, 214.261 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(106, 235, 255) }
```

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

```
.border{ border-color:rgb(106, 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(106, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(106, 235,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 36.257, 214.261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 235, 255) }
```

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

```
.background{ background-color: rgb(106,  
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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