

Converting Colors

CIELCh(87, 35.304, 193.684)

Have a look what the booklet for
CIELCh(87, 35.304, 193.684)
contains.

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Color

CIELCh(87, 35.448, 193.684)

Conversions

Conversions Part 1

Format	Color
Hex	76EDE9
RGB	118, 237, 233
RGB Percent	46%, 93%, 91%
CMY	0.5390, 0.0722, 0.0879
CMYK	0.50, 0.00, 0.02, 0.07
HSL	178°, 76%, 69%
HSV	178°, 50%, 93%
XYZ	52.2234, 70.0064, 87.5413
YIQ	200.9630, -69.6400, -26.4720

Conversions

Conversions Part 2

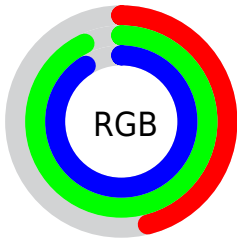
Format	Color
RYB	118, 179, 237
Decimal	7794153
CIELab	87.00, -34.44, -8.39
CIELCh	87, 35.448, 193.684
Yxy	70.0064, 0.2490, 0.3337
Android (android.graphics.Color)	4285984233 (0xFF76EDE9)
YUV	200.9630, 15.7942, -72.7586
Hunter-Lab	83.6698, -35.0094, -3.4645

Details

The CIELCh color **87, 35.448, 193.684** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **63, 50.124, 22.862**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 24.551, 197.904**, and **67, 35.654, 192.999** is the 20% darker color. If you saturate the color by 10%, you get **86, 40.098, 193.175**, and if you desaturate by 10%, it is **88, 29.839, 194.217**.

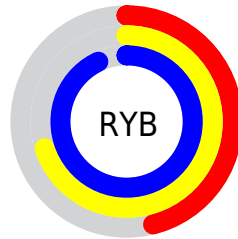
Distribution



Red (46%)

Green (93%)

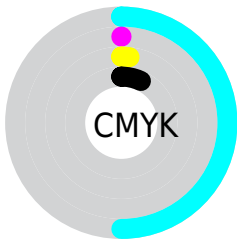
Blue (91%)



Red (46%)

Yellow (70%)

Blue (93%)

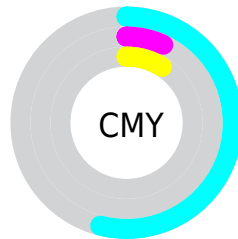


Cyan (50%)

Magenta (0%)

Yellow (2%)

Black (7%)



Cyan (54%)

Magenta (7%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 35.448, 193.684 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, 35.448, 193.684 by changing the saturation by 10% instead.

■ 87, 35.448,
193.684

■ 87, 35.448,
193.684

■ 100, 35.448,
193.684

■ 77, 35.448,
193.684

■ 67, 35.448,
193.684

■ 57, 35.448,
193.684

■ 47, 35.448,
193.684

■ 37, 35.448,
193.684


■ 27, 35.448,
193.684


■ 17, 35.448,


193.684


 7, 35.448, 193.684


 0, 35.448, 193.684

 87, 35.448,
193.684


 87, 35.448,
193.684


 86, 40.098,
193.175


 88, 29.839,
194.217

 86, 43.717,
192.689

 89, 23.381,
194.783

 85, 46.291,
192.217

 90, 16.206,
195.382

 85, 47.872,
191.747

 92, 8.453, 196.031

 85, 48.654,

 94, 0.256, 199.018

191.285

95, 6.619, 16.354

95, 6.651, 12.860

95, 6.707, 9.412

95, 6.788, 6.035

Harmonies

Complementary

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



87, 35.448, 193.684



63, 50.124, 22.862

Rectangle

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



87, 35.448, 193.684



87, 35.448, 243.684



87, 35.448, 13.684



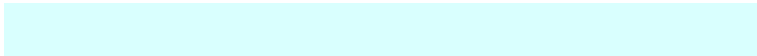
87, 35.448, 63.684

Sweetspot

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



87, 35.448, 193.682



97, 12.914, 195.714



85, 72.922, 139.289



52, 8.759, 195.578



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, 35.448, 193.682



92, 42.410, 193.178



72, 33.718, 259.199



48, 4.636, 196.090



67, 39.798, 191.369



19, 16.970, 192.086

Inverse Universe

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



63, 50.124, 22.862



63, 64.832, 25.348



75, 41.078, 64.058



46, 4.905, 17.219



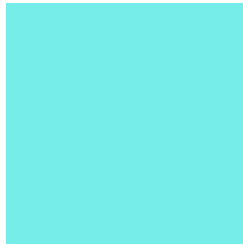
38, 79.367, 38.618



7, 28.392, 21.354

Previews

White Background



This preview shows how the CIE LCh color 87, 35.448, 193.684 looks on a white background.

Color Contrast Check

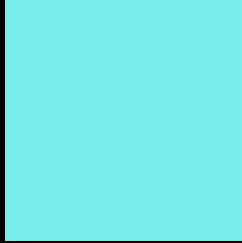
Large Text (above 18pt) WCAG AA × Fail

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, 35.448, 193.684 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, 35.448, 193.684

Background



This preview shows how black text looks on a background with the CIELCh color 87, 35.448, 193.684.




This preview shows how white text looks on a background with the CIELCh color 87, 35.448, 193.684.

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, 32.581, 214.469

Trichromacy



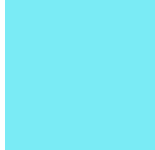
Original Color
87, 35.448, 193.684



Protanomaly
86, 13.942, 202.830



Deuteranomaly
86, 13.405, 237.806

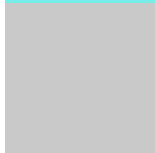


Tritanomaly
87, 33.082, 206.542

Monochromacy



Original Color
87, 35.448, 193.684



Achromatopsia
81, 0.010, 296.813



Achromatomaly
83, 14.840, 194.263

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 35.448, 193.684 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(118, 237, 233)` looks like.

```
.text, #text, p{  
    color:rgb(118, 237, 233)  
}
```

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(118, 237, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 237, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 35.448, 193.684 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(118, 237, 233) }
```

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

```
.border{ border-color:rgb(118, 237, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 237, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 237, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 237, 233);  
box-shadow:4px 4px 4px 4px rgb(118, 237,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 35.448, 193.684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 237, 233) }
```

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

```
.background{ background-color: rgb(118,  
237, 233) }
```

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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