

Converting Colors

CIELCh(85, 42.648, 214.002)

Have a look what the booklet for
CIELCh(85, 42.648, 214.002)
contains.

CIELCh(85, 42.563, 213.626)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(85, 42.563, 213.626)

Conversions

Conversions Part 1

Format	Color
Hex	36E8FF
RGB	54, 232, 255
RGB Percent	21%, 91%, 100%
CMY	0.7886, 0.0884, 0.0000
CMYK	0.79, 0.09, 0.00, 0.00
HSL	187°, 100%, 61%
HSV	187°, 79%, 100%
XYZ	48.6290, 66.0070, 105.1824
YIQ	181.4000, -113.4710, -30.5830

Conversions

Conversions Part 2

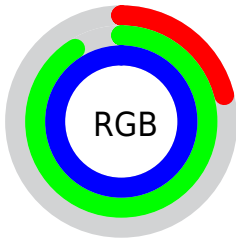
Format	Color
R _Y B	54, 148, 255
Decimal	3598591
CIE Lab	85.00, -35.44, -23.57
CIE LCh	85, 42.563, 213.626
Yxy	66.0070, 0.2212, 0.3003
Android (android.graphics.Color)	4281788671 (0xFF36E8FF)
YUV	181.4000, 36.2848, -111.7298
Hunter-Lab	81.2447, -35.3371, -19.8877

Details

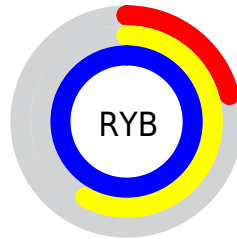
The CIELCh color **85, 42.563, 213.626** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **59, 83.828, 37.933**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 35.800, 197.221**, and **66, 36.595, 216.559** is the 20% darker color. If you saturate the color by 10%, you get **84, 43.790, 214.877**, and if you desaturate by 10%, it is **86, 40.305, 212.025**.

Distribution



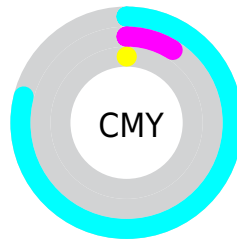
- Red (21%)
- Green (91%)
- Blue (100%)



- Red (21%)
- Yellow (58%)
- Blue (100%)



- Cyan (79%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)





- Cyan (79%)
- Magenta (9%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 42.563, 213.626 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 85, 42.563, 213.626 by changing the saturation by 10% instead.


 85, 42.563,
213.626


 85, 42.563,
213.626


 100, 42.563,
213.626


 75, 42.563,
213.626

 65, 42.563,
213.626

 55, 42.563,
213.626

 45, 42.563,
213.626

 35, 42.563,
213.626

 25, 42.563,
213.626

 15, 42.563,

213.626

■ 5, 42.563, 213.626

■ 0, 42.563, 213.626

■ 85, 42.563,
213.626

■ 85, 42.563,
213.626

■ 84, 43.790,
214.877

■ 86, 40.305,
212.025

■ 83, 44.178,
216.862

■ 88, 36.991,
211.102

■ 83, 44.202,
217.100

■ 89, 32.642,
210.454

■ 91, 27.341,
210.035

■ 93, 21.204,

209.805

■ 95, 14.362,
209.733

■ 98, 6.948, 209.816

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.



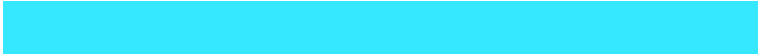
85, 42.563, 213.626



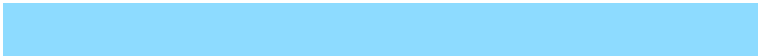
59, 83.828, 37.933

Rectangle

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



85, 42.563, 213.626



85, 42.563, 263.626



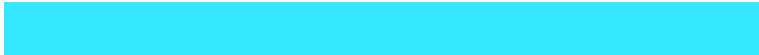
85, 42.563, 33.626



85, 42.563, 83.626

Sweetspot

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



85, 42.557, 213.268



94, 17.959, 209.752



88, 105.578, 139.093



49, 12.176, 209.787



0, 0.000, 0.000



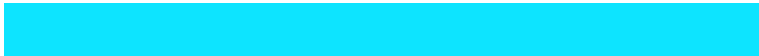
53, 0.007, 296.813

Same Dimension

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



85, 42.557, 213.268



83, 44.100, 216.059



57, 69.137, 284.786



52, 4.451, 209.805



64, 35.645, 216.698



21, 16.554, 213.954

Inverse Universe

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



61, 99.854, 332.226



59, 105.264, 333.097



77, 71.919, 73.936



50, 8.386, 328.174



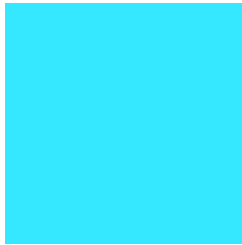
44, 85.236, 333.276



12, 39.629, 332.603

Previews

White Background



This preview shows how the CIE LCh color 85, 42.563, 213.626 looks on a white background.

Color Contrast Check

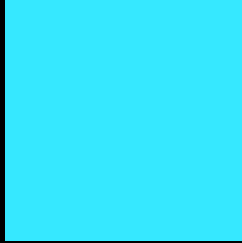
Large Text (above 18pt) WCAG AA × Fail

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 85, 42.563, 213.626 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 85, 42.563, 213.626

Background



This preview shows how black text looks on a background with the CIELCh color 85, 42.563, 213.626.

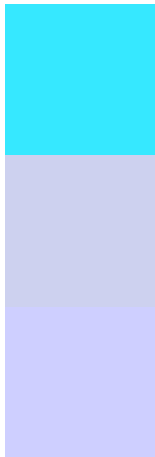


This preview shows how white text looks on a background with the CIELCh color 85, 42.563, 213.626.

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

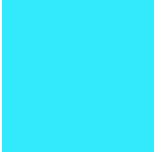
85, 42.479, 213.665

Protanopia

84, 15.847, 286.613

Deuteranopia

84, 25.315, 291.567

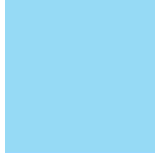


Tritanopia
85, 42.894, 210.464

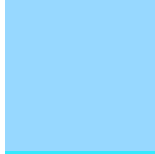
Trichromacy



Original Color
85, 42.479, 213.665



Protanomaly
84, 24.769, 233.657



Deuteranomaly
83, 27.698, 246.951

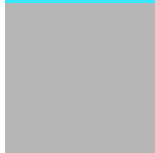


Tritanomaly
85, 42.800, 211.248

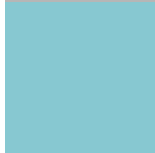
Monochromacy



Original Color
85, 42.479, 213.665



Achromatopsia
74, 0.009, 296.813



Achromatomaly
77, 21.415, 211.095

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 42.563, 213.626 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(54, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(54, 232, 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(54, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 232, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 42.563, 213.626 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(54, 232, 255) }
```

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

```
.border{ border-color:rgb(54, 232, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(54, 232,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 42.563, 213.626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 232, 255) }
```

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

```
.background{ background-color: rgb(54, 232,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor