

Converting Colors

CIELCh(85, 42.586, 214.137)

Have a look what the booklet for
CIELCh(85, 42.586, 214.137)
contains.

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Color

CIELCh(85, 42.479, 213.665)

Conversions

Conversions Part 1

Format	Color
Hex	37E8FF
RGB	55, 232, 255
RGB Percent	22%, 91%, 100%
CMY	0.7850, 0.0885, 0.0000
CMYK	0.79, 0.09, 0.00, 0.00
HSL	187°, 100%, 61%
HSV	187°, 79%, 100%
XYZ	48.6604, 66.0070, 105.1466
YIQ	181.6990, -112.8750, -30.3710

Conversions

Conversions Part 2

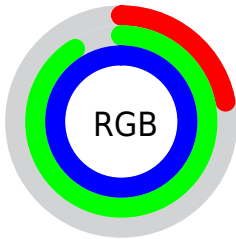
Format	Color
R _Y B	55, 149, 255
Decimal	3664127
CIE Lab	85.00, -35.35, -23.55
CIE LCh	85, 42.479, 213.665
Yxy	66.0070, 0.2214, 0.3003
Android (android.graphics.Color)	4281854207 (0xFF37E8FF)
YUV	181.6990, 36.1374, -111.1150
Hunter-Lab	81.2447, -35.2682, -19.8616

Details

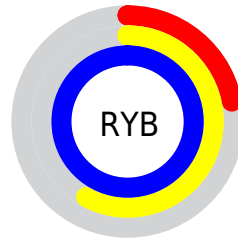
The CIELCh color **85, 42.479, 213.665** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **59, 83.382, 37.889**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 35.582, 197.234**, and **66, 36.595, 216.559** is the 20% darker color. If you saturate the color by 10%, you get **84, 43.741, 214.945**, and if you desaturate by 10%, it is **86, 40.184, 212.096**.

Distribution



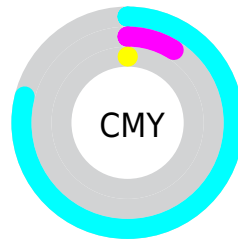
- Red (22%)
- Green (91%)
- Blue (100%)



- Red (22%)
- 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, 42.479, 213.665 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, 42.479, 213.665 by changing the saturation by 10% instead.


 85, 42.479,
213.665


 85, 42.479,
213.665


 100, 42.479,
213.665


 75, 42.479,
213.665

 65, 42.479,
213.665

 55, 42.479,
213.665

 45, 42.479,
213.665

 35, 42.479,
213.665

 25, 42.479,
213.665

 15, 42.479,

213.665

■ 5, 42.479, 213.665

■ 0, 42.479, 213.665

■ 85, 42.479,
213.665

■ 85, 42.479,
213.665

■ 84, 43.741,
214.945

■ 86, 40.184,
212.096

■ 83, 44.151,
216.935

■ 88, 36.833,
211.176

■ 83, 44.182,
217.250

■ 89, 32.450,
210.529

■ 91, 27.120,
210.112

■ 93, 20.959,

209.883

■ 95, 14.098,
209.813

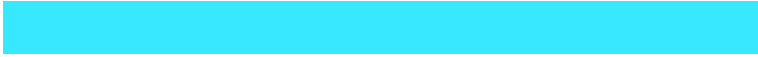
■ 98, 6.670, 209.899

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, 42.479, 213.665



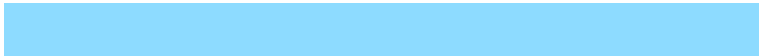
59, 83.382, 37.889

Rectangle

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



85, 42.479, 213.665



85, 42.479, 263.665



85, 42.479, 33.665



85, 42.479, 83.665

Sweetspot

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



85, 42.473, 213.337



94, 17.949, 209.833



88, 105.274, 139.142



49, 12.169, 209.870



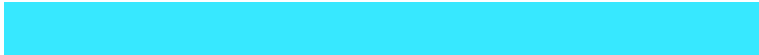
0, 0.000, 0.000



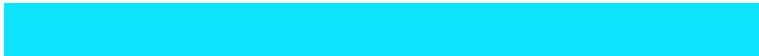
53, 0.007, 296.813

Same Dimension

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



85, 42.473, 213.337



83, 44.050, 215.997



57, 68.805, 284.647



52, 4.449, 209.881



64, 35.629, 216.845



21, 16.546, 214.080

Inverse Universe

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



62, 99.596, 332.237



59, 105.090, 333.077



77, 71.641, 74.005



50, 8.382, 328.196



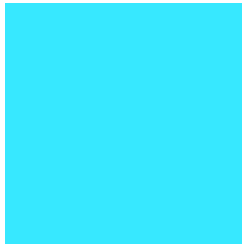
44, 85.189, 333.312



12, 39.609, 332.633

Previews

White Background



This preview shows how the CIE LCh color 85, 42.479, 213.665 looks on a white background.

Color Contrast Check

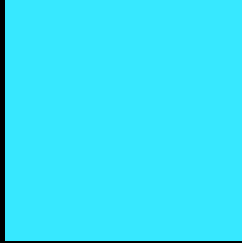
Large Text (above 18pt) WCAG AA × Fail

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, 42.479, 213.665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

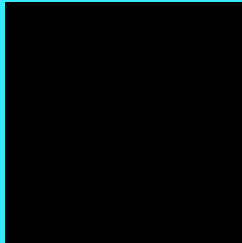
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 42.479, 213.665

Background



This preview shows how black text looks on a background with the CIELCh color 85, 42.479, 213.665.

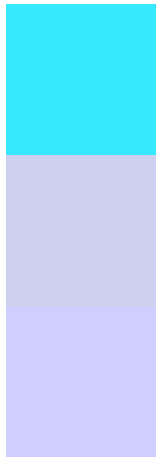


This preview shows how white text looks on a background with the CIELCh color 85, 42.479, 213.665.

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

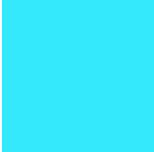
85, 42.394, 213.704

Protanopia

84, 15.847, 286.613

Deuteranopia

84, 25.315, 291.567

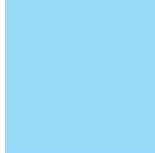


Tritanopia
85, 42.811, 210.495

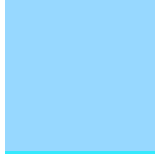
Trichromacy



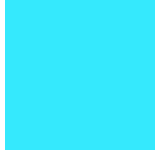
Original Color
85, 42.394, 213.704



Protanomaly
84, 24.769, 233.657



Deuteranomaly
83, 27.698, 246.951

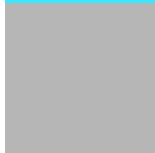


Tritanomaly
85, 42.716, 211.281

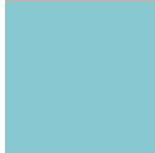
Monochromacy



Original Color
85, 42.394, 213.704



Achromatopsia
74, 0.009, 296.813



Achromatomaly
77, 21.143, 211.286

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 42.479, 213.665 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(55, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(55, 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(55, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 232, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 42.479, 213.665 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(55, 232, 255) }
```

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

```
.border{ border-color:rgb(55, 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(55, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(55, 232,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 42.479, 213.665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 232, 255) }
```

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

```
.background{ background-color: rgb(55, 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](#).

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