

Converting Colors

CIELCh(84, 43.346, 215.596)

Have a look what the booklet for
CIELCh(84, 43.346, 215.596)
contains.

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Color

CIELCh(84, 43.346, 214.795)

Conversions

Conversions Part 1

Format	Color
Hex	25E6FF
RGB	37, 230, 255
RGB Percent	15%, 90%, 100%
CMY	0.8533, 0.0990, 0.0009
CMYK	0.85, 0.10, 0.00, 0.00
HSL	187°, 100%, 57%
HSV	187°, 85%, 100%
XYZ	47.0182, 64.0658, 104.2924
YIQ	175.1430, -123.0530, -33.1410

Conversions

Conversions Part 2

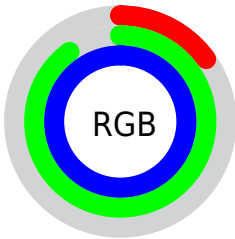
Format	Color
R _Y B	37, 139, 255
Decimal	2483967
CIE Lab	84.00, -35.60, -24.74
CIE LCh	84, 43.346, 214.795
Yxy	64.0658, 0.2183, 0.2975
Android (android.graphics.Color)	4280674047 (0xFF25E6FF)
YUV	175.1430, 39.3695, -121.1514
Hunter-Lab	80.0411, -35.2164, -21.2253

Details

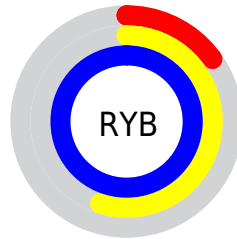
The CIELCh color **84, 43.346, 214.795** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **57, 90.845, 39.364**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 37.280, 197.133**, and **65, 36.382, 218.661** is the 20% darker color. If you saturate the color by 10%, you get **83, 43.995, 216.716**, and if you desaturate by 10%, it is **85, 41.762, 213.269**.

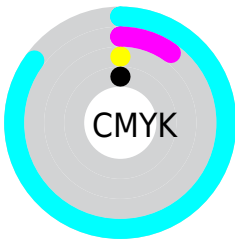
Distribution



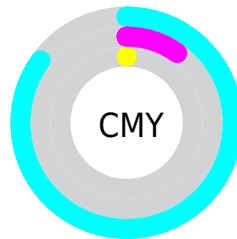
- Red (15%)
- Green (90%)
- Blue (100%)



- Red (15%)
- Yellow (55%)
- Blue (100%)



- Cyan (85%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)





- Cyan (85%)
- Magenta (10%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 43.346, 214.795 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 84, 43.346, 214.795 by changing the saturation by 10% instead.


 84, 43.346,
214.795


 84, 43.346,
214.795


 100, 43.346,
214.795


 74, 43.346,
214.795

 64, 43.346,
214.795

 54, 43.346,
214.795

 44, 43.346,
214.795

 34, 43.346,
214.795

 24, 43.346,
214.795

 14, 43.346,

214.795

■ 4, 43.346, 214.795

■ 0, 43.346, 214.795

■ 84, 43.346,
214.795

■ 84, 43.346,
214.795

■ 83, 43.995,
216.716

■ 85, 41.762,
213.269

■ 83, 44.093,
217.722

■ 87, 39.139,
212.105

■ 88, 35.460,
211.252

■ 90, 30.775,
210.663

■ 92, 25.179,

210.293

■ 94, 18.797,
210.103

■ 96, 11.759,
210.068

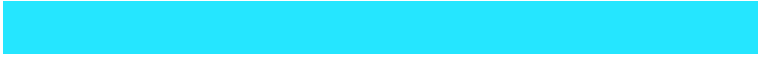
■ 99, 4.196, 210.225

100, 0.110,
109.466

Harmonies

Complementary

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



84, 43.346, 214.795



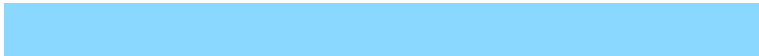
57, 90.845, 39.364

Rectangle

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



84, 43.346, 214.795



84, 43.346, 264.795



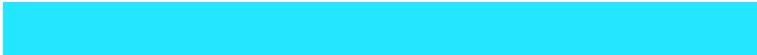
84, 43.346, 34.795



84, 43.346, 84.795

Sweetspot

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



84, 43.345, 214.794



94, 19.268, 210.111



88, 110.453, 138.247



49, 12.888, 210.162



0, 0.000, 0.000



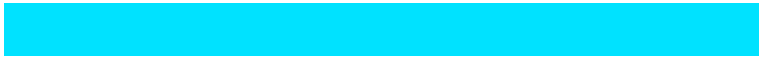
53, 0.007, 296.813

Same Dimension

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



84, 43.345, 214.794



83, 44.124, 217.723



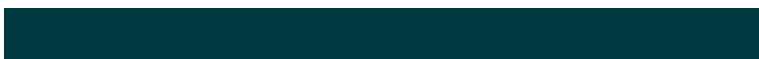
54, 75.129, 287.355



52, 4.441, 210.121



64, 35.581, 217.308



21, 16.521, 214.478

Inverse Universe

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



60, 102.661, 332.703



59, 105.417, 333.529



76, 76.429, 72.597



50, 8.369, 328.266



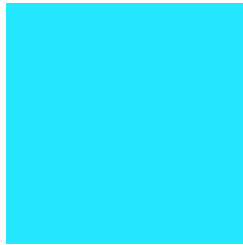
44, 85.040, 333.427



12, 39.548, 332.731

Previews

White Background



This preview shows how the CIE LCh color 84, 43.346, 214.795 looks on a white background.

Color Contrast Check

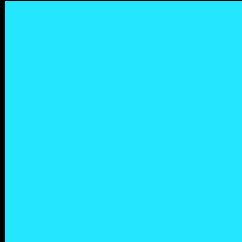
Large Text (above 18pt) WCAG AA × Fail

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 84, 43.346, 214.795 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 84, 43.346, 214.795

Background



This preview shows how black text looks on a background with the CIELCh color 84, 43.346, 214.795.



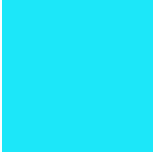
This preview shows how white text looks on a background with the CIELCh color 84, 43.346, 214.795.

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



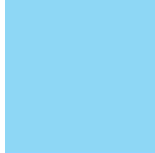


Tritanopia
84, 44.062, 209.312

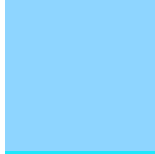
Trichromacy



Original Color
84, 43.404, 214.767



Protanomaly
82, 26.560, 235.239



Deuteranomaly
82, 29.746, 247.298

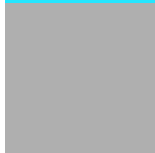


Tritanomaly
84, 43.872, 210.838

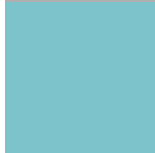
Monochromacy



Original Color
84, 43.404, 214.767



Achromatopsia
71, 0.009, 296.813



Achromatomaly
75, 22.767, 210.247

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 43.346, 214.795 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(37, 230, 255)` looks like.

```
.text, #text, p{  
  color:rgb(37, 230, 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(37, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 230, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 43.346, 214.795 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(37, 230, 255) }
```

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

```
.border{ border-color:rgb(37, 230, 255) }
```

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

Here you see how a box with a 4 pixel rgb(37, 230, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(37, 230,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 43.346, 214.795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 230, 255) }
```

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

```
.background{ background-color: rgb(37, 230,  
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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