

Converting Colors

CIELCh(84, 41.777, 216.226)

Have a look what the booklet for
CIELCh(84, 41.777, 216.226)
contains.

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Color

CIELCh(84, 41.817, 216.357)

Conversions

Conversions Part 1

Format	Color
Hex	39E5FF
RGB	57, 229, 255
RGB Percent	22%, 90%, 100%
CMY	0.7771, 0.1023, 0.0004
CMYK	0.78, 0.10, 0.00, 0.00
HSL	188°, 100%, 61%
HSV	188°, 78%, 100%
XYZ	47.7060, 64.0658, 104.3792
YIQ	180.5360, -110.8580, -28.3780

Conversions

Conversions Part 2

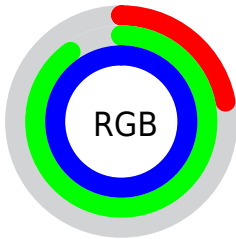
Format	Color
R_{YB}	57, 149, 255
Decimal	3794431
CIE _{Lab}	84.00, -33.68, -24.79
CIE _{LCh}	84, 41.817, 216.357
Yxy	64.0658, 0.2207, 0.2964
Android (android.graphics.Color)	4281984511 (0xFF39E5FF)
YUV	180.5360, 36.7108, -108.3411
Hunter-Lab	80.0411, -33.6825, -21.2896

Details

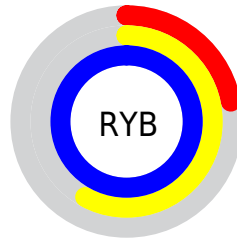
The CIELCh color **84, 41.817, 216.357** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **60, 81.656, 38.584**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 35.363, 197.247**, and **65, 36.292, 219.725** is the 20% darker color. If you saturate the color by 10%, you get **83, 43.187, 218.264**, and if you desaturate by 10%, it is **85, 39.443, 214.872**.

Distribution



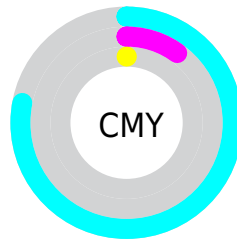
- Red (22%)
- Green (90%)
- Blue (100%)



- Red (22%)
- Yellow (58%)
- Blue (100%)



- Cyan (78%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)





- Cyan (78%)
- Magenta (10%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 41.817, 216.357 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, 41.817, 216.357 by changing the saturation by 10% instead.


 84, 41.817,
216.357


 84, 41.817,
216.357


 100, 41.817,
216.357


 74, 41.817,
216.357

 64, 41.817,
216.357

 54, 41.817,
216.357

 44, 41.817,
216.357

 34, 41.817,
216.357

 24, 41.817,
216.357

 14, 41.817,

216.357

■ 4, 41.817, 216.357

■ 0, 41.817, 216.357

■ 84, 41.817,
216.357

■ 84, 41.817,
216.357

■ 83, 43.187,
218.264

■ 85, 39.443,
214.872

■ 82, 43.703,
220.624

■ 87, 36.031,
213.756

■ 81, 43.767,
221.203

■ 89, 31.613,
212.950

■ 91, 26.276,
212.401

■ 93, 20.136,

212.063

■ 95, 13.322,
211.899

■ 98, 5.963, 211.912

100, 0.036,
108.021

Harmonies

Complementary

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



84, 41.817, 216.357



60, 81.656, 38.584

Rectangle

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



84, 41.817, 216.357



84, 41.817, 266.357



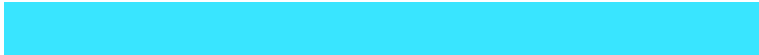
84, 41.817, 36.357



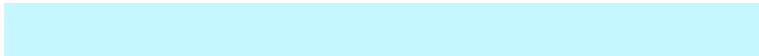
84, 41.817, 86.357

Sweetspot

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



84, 41.816, 216.356



94, 17.016, 211.966



88, 103.571, 139.643



49, 11.624, 212.037



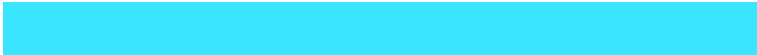
0, 0.000, 0.000



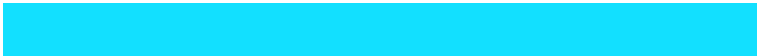
53, 0.007, 296.813

Same Dimension

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



84, 41.816, 216.356



82, 43.562, 219.461



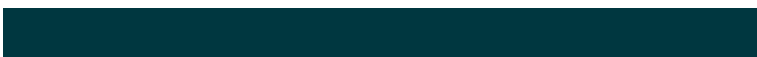
57, 69.944, 285.648



52, 4.384, 211.891



63, 35.293, 220.719



21, 16.364, 217.408

Inverse Universe

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



61, 97.823, 332.973



59, 103.498, 333.928



78, 71.231, 75.650



50, 8.274, 328.781



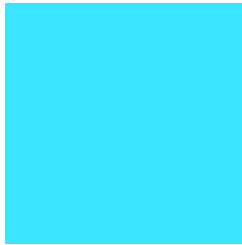
44, 83.969, 334.272



12, 39.108, 333.451

Previews

White Background



This preview shows how the CIE LCh color 84, 41.817, 216.357 looks on a white background.

Color Contrast Check

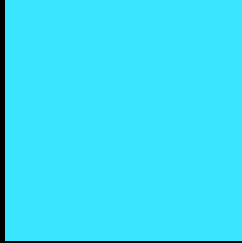
Large Text (above 18pt) WCAG AA × Fail

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, 41.817, 216.357 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

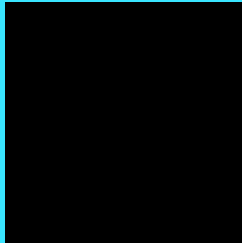
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 41.817, 216.357

Background



This preview shows how black text looks on a background with the CIELCh color 84, 41.817, 216.357.



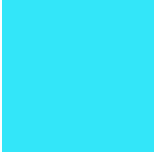
This preview shows how white text looks on a background with the CIELCh color 84, 41.817, 216.357.

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, 42.408, 210.664

Trichromacy



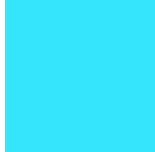
Original Color
84, 41.817, 216.357



Protanomaly
82, 25.217, 239.290



Deuteranomaly
82, 28.609, 250.011

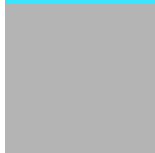


Tritanomaly
84, 42.227, 212.260

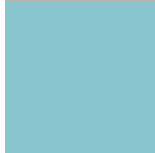
Monochromacy



Original Color
84, 41.817, 216.357



Achromatopsia
73, 0.009, 296.813



Achromatomaly
76, 20.879, 211.491

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 41.817, 216.357 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(57, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(57, 229, 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(57, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 229, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 41.817, 216.357 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(57, 229, 255) }
```

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

```
.border{ border-color:rgb(57, 229, 255) }
```

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

Here you see how a box with a 4 pixel rgb(57, 229, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(57, 229,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 41.817, 216.357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 229, 255) }
```

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

```
.background{ background-color: rgb(57, 229,  
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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