

Converting Colors

CIELCh(84, 42.296, 216.271)

Have a look what the booklet for
CIELCh(84, 42.296, 216.271)
contains.

CIELCh(84, 42.242, 216.131)	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(84, 42.242, 216.131)

Conversions

Conversions Part 1

Format	Color
Hex	34E5FF
RGB	52, 229, 255
RGB Percent	20%, 90%, 100%
CMY	0.7951, 0.1015, 0.0000
CMYK	0.80, 0.10, 0.00, 0.00
HSL	188°, 100%, 60%
HSV	188°, 80%, 100%
XYZ	47.5474, 64.0658, 104.5660
YIQ	179.0410, -113.8380, -29.4380

Conversions

Conversions Part 2

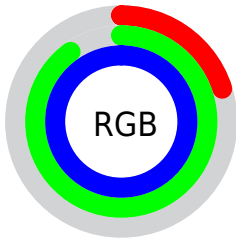
Format	Color
R_{YB}	52, 147, 255
Decimal	3466751
CIE _{Lab}	84.00, -34.12, -24.91
CIE _{LCh}	84, 42.242, 216.131
Yxy	64.0658, 0.2199, 0.2964
Android (android.graphics.Color)	4281656831 (0xFF34E5FF)
YUV	179.0410, 37.4478, -111.4150
Hunter-Lab	80.0411, -34.0362, -21.4279

Details

The CIELCh color **84, 42.242, 216.131** 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, 83.955, 38.760**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 36.016, 197.208**, and **65, 36.292, 219.725** is the 20% darker color. If you saturate the color by 10%, you get **83, 43.430, 217.962**, and if you desaturate by 10%, it is **85, 40.054, 214.538**.

Distribution



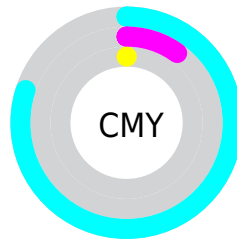
- Red (20%)
- Green (90%)
- Blue (100%)



- Red (20%)
- Yellow (58%)
- Blue (100%)



- Cyan (80%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)





- Cyan (80%)
- Magenta (10%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 42.242, 216.131 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, 42.242, 216.131 by changing the saturation by 10% instead.


 84, 42.242,
216.131


 84, 42.242,
216.131


 100, 42.242,
216.131


 74, 42.242,
216.131

 64, 42.242,
216.131

 54, 42.242,
216.131

 44, 42.242,
216.131

 34, 42.242,
216.131

 24, 42.242,
216.131

 14, 42.242,

216.131

■ 4, 42.242, 216.131

■ 0, 42.242, 216.131

■ 84, 42.242,
216.131

■ 84, 42.242,
216.131

■ 83, 43.430,
217.962

■ 85, 40.054,
214.538

■ 82, 43.830,
220.305

■ 87, 36.827,
213.405

■ 82, 43.843,
220.423

■ 89, 32.579,
212.584

■ 91, 27.389,
212.022

■ 93, 21.369,

211.673

■ 95, 14.649,
211.501

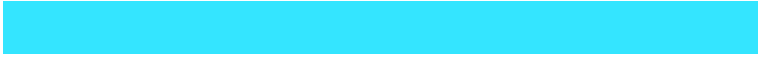
■ 98, 7.357, 211.494

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.



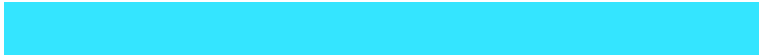
84, 42.242, 216.131



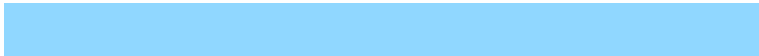
59, 83.955, 38.760

Rectangle

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



84, 42.242, 216.131



84, 42.242, 266.131



84, 42.242, 36.131



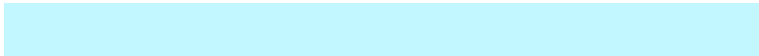
84, 42.242, 86.131

Sweetspot

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



84, 42.237, 216.040



94, 17.741, 211.558



88, 105.163, 139.385



49, 12.028, 211.627



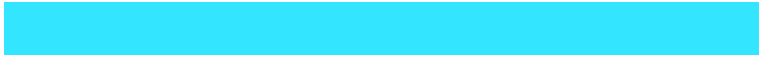
0, 0.000, 0.000



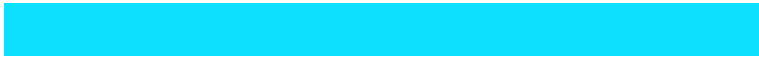
53, 0.007, 296.813

Same Dimension

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



84, 42.237, 216.040



82, 43.714, 219.207



56, 71.716, 286.345



52, 4.396, 211.494



63, 35.347, 219.954



21, 16.396, 216.750

Inverse Universe

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



61, 99.143, 332.926



59, 104.018, 333.875



78, 72.635, 75.302



50, 8.295, 328.666



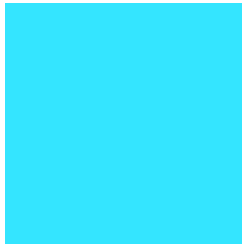
44, 84.205, 334.081



12, 39.205, 333.289

Previews

White Background



This preview shows how the CIE LCh color 84, 42.242, 216.131 looks on a white background.

Color Contrast Check

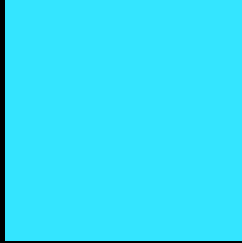
Large Text (above 18pt) WCAG AA × Fail

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, 42.242, 216.131 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, 42.242, 216.131

Background



This preview shows how black text looks on a background with the CIELCh color 84, 42.242, 216.131.

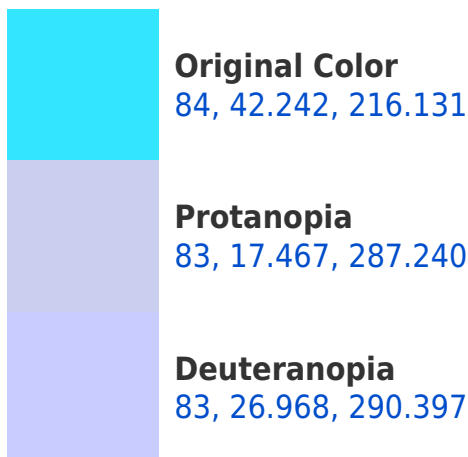


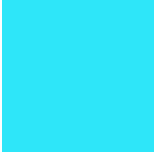
This preview shows how white text looks on a background with the CIELCh color 84, 42.242, 216.131.

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



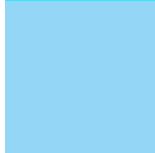


Tritanopia
84, 42.802, 210.512

Trichromacy



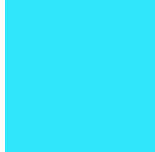
Original Color
84, 42.242, 216.131



Protanomaly
82, 25.417, 238.891



Deuteranomaly
82, 28.932, 249.204

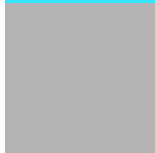


Tritanomaly
84, 42.632, 212.088

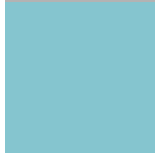
Monochromacy



Original Color
84, 42.242, 216.131



Achromatopsia
73, 0.009, 296.813



Achromatomaly
76, 21.212, 212.790

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 42.242, 216.131 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(52, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(52, 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(52, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 229, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 42.242, 216.131 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(52, 229, 255) }
```

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

```
.border{ border-color:rgb(52, 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(52, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(52, 229,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 42.242, 216.131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 229, 255) }
```

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

```
.background{ background-color: rgb(52, 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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