

Converting Colors

CIELCh(84, 40.664, 218.263)

Have a look what the booklet for
CIELCh(84, 40.664, 218.263)
contains.

| | |
|--|----|
| CIELCh(84, 40.626, 217.846) | 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, 40.626, 217.846)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 44E4FF |
| RGB | 68, 228, 255 |
| RGB Percent | 27%, 89%, 100% |
| CMY | 0.7321, 0.1051, 0.0000 |
| CMYK | 0.73, 0.11, 0.00, 0.00 |
| HSL | 189°, 100%, 63% |
| HSV | 189°, 73%, 100% |
| XYZ | 48.2832, 64.0658, 104.5953 |
| YIQ | 183.2380, -104.0270, -25.5230 |

Conversions

Conversions Part 2

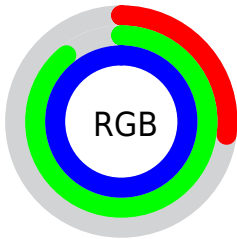
| Format | Color |
|-------------------------------------|---------------------------------|
| R _{YB} | 68, 154, 255 |
| Decimal | 4515071 |
| CIE Lab | 84.00, -32.08, -24.93 |
| CIE LCh | 84, 40.626, 217.846 |
| Yxy | 64.0658, 0.2226, 0.2953 |
| Android (android.graphics.Color) | 4282705151 (0xFF44E4FF) |
| YUV | 183.2380, 35.3787, -101.0637 |
| Hunter-Lab | 80.0411, -32.3954, -21.4496 |

Details

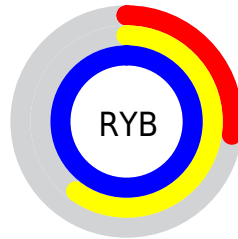
The CIELCh color **84, 40.626, 217.846** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **62, 75.807, 38.421**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 34.015, 197.328**, and **65, 36.213, 220.796** is the 20% darker color. If you saturate the color by 10%, you get **83, 42.448, 219.604**, and if you desaturate by 10%, it is **86, 37.769, 216.210**.

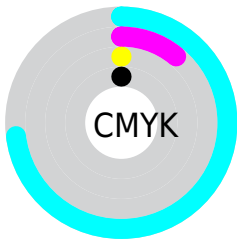
Distribution



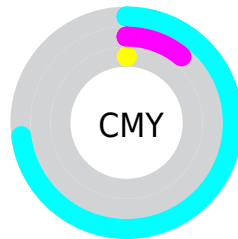
- Red (27%)
- Green (89%)
- Blue (100%)



- Red (27%)
- Yellow (60%)
- Blue (100%)



- Cyan (73%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (73%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 40.626, 217.846 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, 40.626, 217.846 by changing the saturation by 10% instead.

 84, 40.626,
217.846

 84, 40.626,
217.846

 100, 40.626,
217.846


 74, 40.626,
217.846

 64, 40.626,
217.846

 54, 40.626,
217.846

 44, 40.626,
217.846

 34, 40.626,
217.846

 24, 40.626,
217.846

 14, 40.626,

217.846

■ 4, 40.626, 217.846

■ 0, 40.626, 217.846

■ 84, 40.626,
217.846

■ 84, 40.626,
217.846

■ 83, 42.448,
219.604

■ 86, 37.769,
216.210

■ 81, 43.365,
222.009

■ 87, 33.908,
215.103

■ 80, 43.617,
223.888

■ 89, 29.090,
214.307

■ 92, 23.416,
213.764

■ 94, 17.007,

213.430

■ 96, 9.992, 213.272

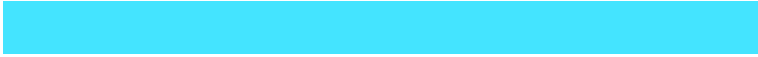
■ 99, 2.493, 213.413

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.



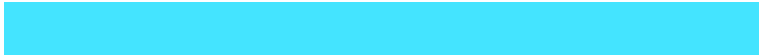
84, 40.626, 217.846



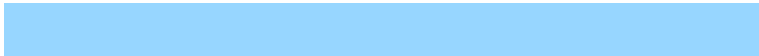
62, 75.807, 38.421

Rectangle

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



84, 40.626, 217.846



84, 40.626, 267.846



84, 40.626, 37.846



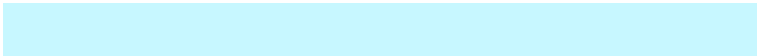
84, 40.626, 87.846

Sweetspot

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



84, 40.614, 217.688



94, 16.187, 213.401



89, 98.424, 140.713



50, 10.773, 213.468



0, 0.000, 0.000



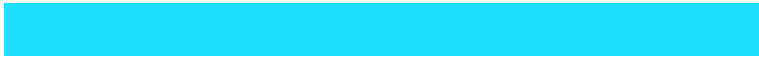
53, 0.007, 296.813

Same Dimension

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



84, 40.614, 217.688



82, 42.992, 220.692



58, 67.450, 285.248



52, 4.344, 213.262



62, 35.152, 223.351



20, 16.271, 219.673

Inverse Universe

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



63, 94.060, 333.216



59, 101.516, 334.197



80, 67.958, 77.939



50, 8.203, 329.179



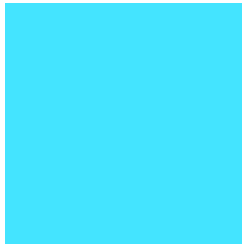
44, 83.171, 334.932



12, 38.779, 334.011

Previews

White Background



This preview shows how the CIE LCh color 84, 40.626, 217.846 looks on a white background.

Color Contrast Check

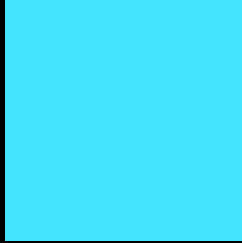
Large Text (above 18pt) WCAG AA × Fail

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, 40.626, 217.846 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, 40.626, 217.846

Background



This preview shows how black text looks on a background with the CIELCh color 84, 40.626, 217.846.

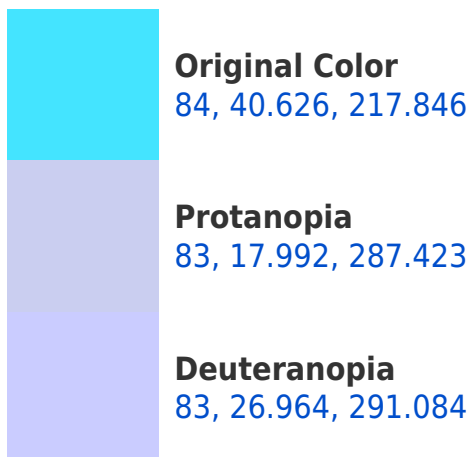


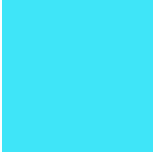
This preview shows how white text looks on a background with the CIELCh color 84, 40.626, 217.846.

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



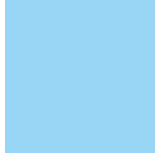


Tritanopia
84, 41.120, 211.185

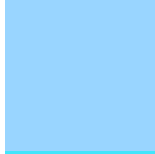
Trichromacy



Original Color
84, 40.626, 217.846



Protanomaly
83, 24.417, 240.973



Deuteranomaly
83, 27.968, 251.705

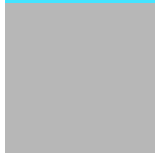


Tritanomaly
84, 40.929, 213.634

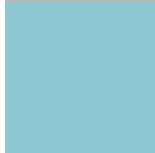
Monochromacy



Original Color
84, 40.626, 217.846



Achromatopsia
74, 0.009, 296.813



Achromatomaly
77, 19.559, 214.159

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 40.626, 217.846 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(68, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(68, 228, 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(68, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 228, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 40.626, 217.846 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(68, 228, 255) }
```

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

```
.border{ border-color:rgb(68, 228, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(68, 228,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 40.626, 217.846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 228, 255) }
```

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

```
.background{ background-color: rgb(68, 228,  
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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