

Converting Colors

CIELCh(84, 46.354, 198.006)

Have a look what the booklet for
CIELCh(84, 46.354, 198.006)
contains.

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Color

CIELCh(84, 46.465, 197.736)

Conversions

Conversions Part 1

Format	Color
Hex	01E9EB
RGB	1, 233, 235
RGB Percent	0%, 91%, 92%
CMY	0.9971, 0.0876, 0.0798
CMYK	1.00, 0.01, 0.00, 0.08
HSL	181°, 99%, 46%
HSV	181°, 100%, 92%
XYZ	43.9960, 64.0658, 88.3863
YIQ	163.8600, -138.9140, -48.5620

Conversions

Conversions Part 2

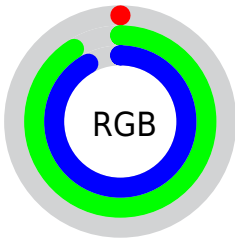
Format	Color
RYB	1, 117, 235
Decimal	125419
CIELab	84.00, -44.26, -14.15
CIELCh	84, 46.465, 197.736
Yxy	64.0658, 0.2240, 0.3261
Android (android.graphics.Color)	4278315499 (0xFF01E9EB)
YUV	163.8600, 35.0720, -142.8282
Hunter-Lab	80.0411, -41.9562, -9.4429

Details

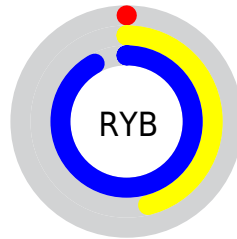
The CIELCh color **84, 46.465, 197.736** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **49, 97.924, 39.995**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.445, 197.005**, and **66, 37.820, 198.127** is the 20% darker color. If you saturate the color by 10%, you get **84, 46.479, 197.738**, and if you desaturate by 10%, it is **84, 45.847, 197.656**.

Distribution



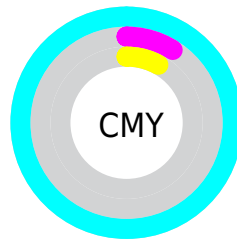
- Red (0%)
- Green (91%)
- Blue (92%)



- Red (0%)
- Yellow (46%)
- Blue (92%)



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (8%)




- Cyan (100%)
- Magenta (9%)
- Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 46.465, 197.736 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, 46.465, 197.736 by changing the saturation by 10% instead.


 84, 46.465,
197.736


 84, 46.465,
197.736


 100, 46.465,
197.736


 74, 46.465,
197.736

 64, 46.465,
197.736

 54, 46.465,
197.736

 44, 46.465,
197.736

 34, 46.465,
197.736

 24, 46.465,
197.736

 14, 46.465,

197.736

■ 4, 46.465, 197.736

■ 0, 46.465, 197.736

■ 84, 46.465,
197.736

■ 84, 46.465,
197.736

■ 84, 46.479,
197.738

■ 84, 45.847,
197.656

■ 84, 44.433,
197.643

■ 85, 42.034,
197.707

■ 85, 38.594,
197.851

■ 86, 34.127,

198.076

■ 87, 28.700,
198.376

■ 88, 22.418,
198.747

■ 90, 15.409,
199.185

■ 91, 7.806, 199.702

Harmonies

Complementary

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



84, 46.465, 197.736



49, 97.924, 39.995

Rectangle

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



84, 46.465, 197.736



84, 46.465, 247.736



84, 46.465, 17.736



84, 46.465, 67.736

Sweetspot

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



84, 46.464, 197.735



95, 24.191, 198.729



81, 112.411, 136.025



50, 16.217, 198.565



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, 46.464, 197.735



90, 49.494, 197.744



51, 68.638, 284.675



48, 4.579, 199.715



66, 38.281, 197.715



19, 16.422, 197.519

Inverse Universe

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



56, 107.736, 328.577



60, 114.781, 328.581



62, 80.147, 60.052



46, 8.409, 325.171



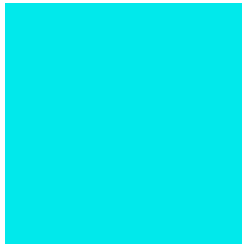
43, 88.769, 328.574



9, 38.050, 328.524

Previews

White Background



This preview shows how the CIE LCh color 84, 46.465, 197.736 looks on a white background.

Color Contrast Check

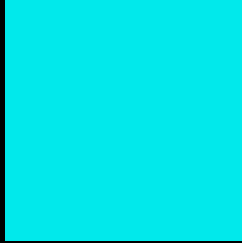
Large Text (above 18pt) WCAG AA × Fail

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, 46.465, 197.736 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

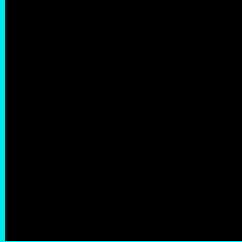
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 46.465, 197.736

Background



This preview shows how black text looks on a background with the CIELCh color 84, 46.465, 197.736.



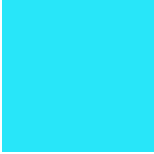
This preview shows how white text looks on a background with the CIELCh color 84, 46.465, 197.736.

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



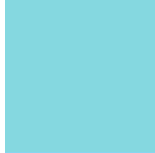


Tritanopia
84, 43.219, 210.354

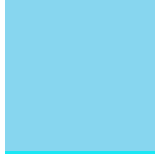
Trichromacy



Original Color
84, 46.510, 197.732



Protanomaly
82, 26.068, 207.130



Deuteranomaly
82, 26.734, 228.003

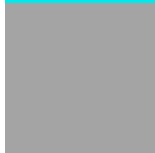


Tritanomaly
84, 44.386, 205.630

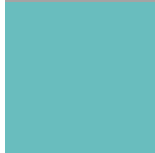
Monochromacy



Original Color
84, 46.510, 197.732



Achromatopsia
67, 0.008, 296.813



Achromatomaly
72, 26.569, 198.566

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 46.465, 197.736 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(1, 233, 235)` looks like.

```
.text, #text, p{  
    color:rgb(1, 233, 235)  
}
```

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(1, 233, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 233, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 46.465, 197.736 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(1, 233, 235) }
```

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

```
.border{ border-color:rgb(1, 233, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 233, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 233, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 233, 235);  
box-shadow:4px 4px 4px 4px rgb(1, 233,  
235) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 46.465, 197.736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 233, 235) }
```

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

```
.background{ background-color: rgb(1, 233,  
235) }
```

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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