

Converting Colors

CIELCh(84, 46.508, 196.398)

Have a look what the booklet for
CIELCh(84, 46.508, 196.398)
contains.

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Color

CIELCh(84, 46.557, 196.402)

Conversions

Conversions Part 1

Format	Color
Hex	09E9E9
RGB	9, 233, 233
RGB Percent	4%, 91%, 91%
CMY	0.9632, 0.0872, 0.0872
CMYK	0.96, 0.00, 0.00, 0.09
HSL	180°, 92%, 47%
HSV	180°, 96%, 91%
XYZ	43.8577, 64.0658, 86.9612
YIQ	166.0240, -133.5040, -47.4880

Conversions

Conversions Part 2

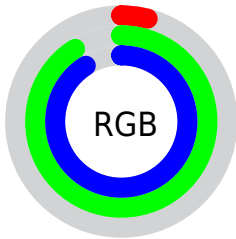
Format	Color
RYB	9, 121, 233
Decimal	649705
CIELab	84.00, -44.66, -13.15
CIELCh	84, 46.557, 196.402
Yxy	64.0658, 0.2250, 0.3287
Android (android.graphics.Color)	4278839785 (0xFF09E9E9)
YUV	166.0240, 33.0192, -137.7100
Hunter-Lab	80.0411, -42.2647, -8.3873

Details

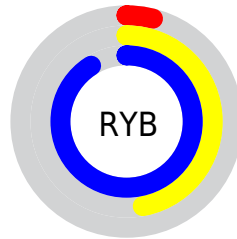
The CIELCh color **84, 46.557, 196.402** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **49, 95.507, 39.114**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.257, 197.016**, and **65, 37.800, 197.258** is the 20% darker color. If you saturate the color by 10%, you get **84, 46.771, 196.388**, and if you desaturate by 10%, it is **84, 45.649, 196.456**.

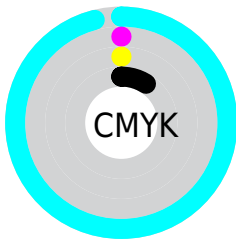
Distribution



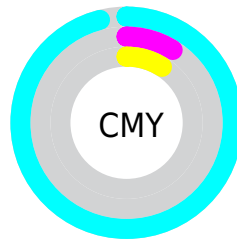
- Red (4%)
- Green (91%)
- Blue (91%)



- Red (4%)
- Yellow (47%)
- Blue (91%)



- Cyan (96%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)



- Cyan (96%)
- Magenta (9%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 46.557, 196.402 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, 46.557, 196.402 by changing the saturation by 10% instead.


 84, 46.557,
196.402

 84, 46.557,
196.402


 100, 46.557,
196.402

 74, 46.557,
196.402

 64, 46.557,
196.402

 54, 46.557,
196.402

 44, 46.557,
196.402

 34, 46.557,
196.402

 24, 46.557,
196.402

 14, 46.557,

196.402

■ 4, 46.557, 196.402

■ 0, 46.557, 196.402

■ 84, 46.557,
196.402

■ 84, 46.557,
196.402

■ 84, 46.771,
196.388

■ 84, 45.649,
196.456

■ 84, 43.838,
196.568

■ 85, 41.019,
196.743

■ 85, 37.165,
196.984

■ 86, 32.307,

197.293

■ 87, 26.527,
197.667

■ 88, 19.940,
198.103

■ 90, 12.675,
198.600

■ 91, 4.867, 199.203

Harmonies

Complementary

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



84, 46.557, 196.402



49, 95.507, 39.114

Rectangle

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



84, 46.557, 196.402



84, 46.557, 246.402



84, 46.557, 16.402



84, 46.557, 66.402

Sweetspot

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



84, 46.556, 196.401



95, 23.689, 197.958



81, 110.930, 136.135



50, 15.975, 197.772



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, 46.556, 196.401



91, 50.115, 196.388



51, 65.600, 282.996



48, 4.619, 198.969



67, 38.752, 196.388



19, 16.594, 196.388

Inverse Universe

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



55, 107.157, 328.211



60, 115.566, 328.233



63, 77.893, 61.109



46, 8.457, 324.942



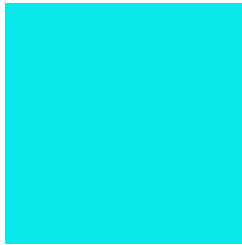
43, 89.363, 328.233



9, 38.267, 328.233

Previews

White Background



This preview shows how the CIE LCh color 84, 46.557, 196.402 looks on a white background.

Color Contrast Check

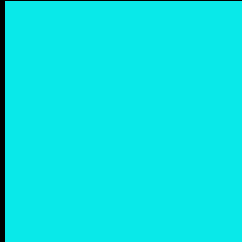
Large Text (above 18pt) WCAG AA × Fail

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, 46.557, 196.402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

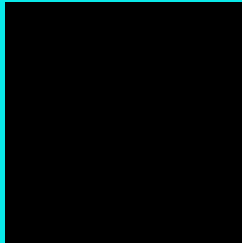
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 46.557, 196.402

Background



This preview shows how black text looks on a background with the CIELCh color 84, 46.557, 196.402.

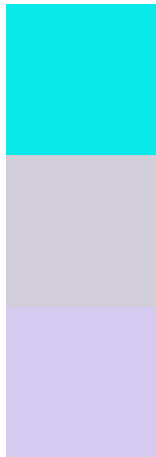


This preview shows how white text looks on a background with the CIELCh color 84, 46.557, 196.402.

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



Original Color

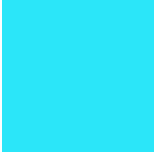
84, 46.603, 196.399

Protanopia

83, 5.932, 301.073

Deuteranopia

83, 20.011, 302.668



Tritanopia
84, 43.018, 210.430

Trichromacy



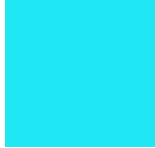
Original Color
84, 46.603, 196.399



Protanomaly
82, 25.305, 206.227



Deuteranomaly
81, 25.458, 228.344

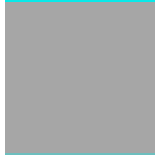


Tritanomaly
84, 44.210, 204.966

Monochromacy



Original Color
84, 46.603, 196.399



Achromatopsia
68, 0.008, 296.813



Achromatomaly
72, 25.910, 197.429

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 46.557, 196.402 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(9, 233, 233)` looks like.

```
.text, #text, p{  
    color:rgb(9, 233, 233)  
}
```

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(9, 233, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 233, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 46.557, 196.402 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(9, 233, 233) }
```

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

```
.border{ border-color:rgb(9, 233, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 233, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 233, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 233, 233);  
box-shadow:4px 4px 4px 4px rgb(9, 233,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 46.557, 196.402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 233, 233) }
```

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

```
.background{ background-color: rgb(9, 233,  
233) }
```

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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