

Converting Colors

CIELCh(84, 49.154, 188.923)

Have a look what the booklet for
CIELCh(84, 49.154, 188.923)
contains.

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Color

CIELCh(84, 49.056, 188.716)

Conversions

Conversions Part 1

Format	Color
Hex	00EADE
RGB	0, 234, 222
RGB Percent	0%, 92%, 87%
CMY	1.0000, 0.0827, 0.1297
CMYK	1.00, 0.00, 0.05, 0.08
HSL	177°, 100%, 46%
HSV	177°, 100%, 92%
XYZ	42.5673, 64.0658, 79.1742
YIQ	162.6660, -135.6120, -53.3400

Conversions

Conversions Part 2

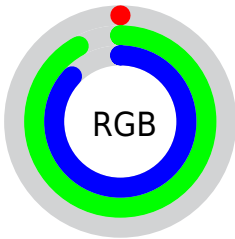
Format	Color
RYB	0, 120, 234
Decimal	60126
CIELab	84.00, -48.49, -7.43
CIELCh	84, 49.056, 188.716
Yxy	64.0658, 0.2291, 0.3448
Android (android.graphics.Color)	4278250206 (0xFF00EADE)
YUV	162.6660, 29.2517, -142.6581
Hunter-Lab	80.0411, -45.1424, -2.6191

Details

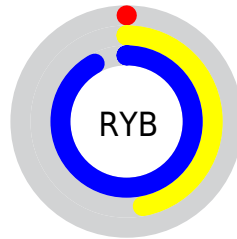
The CIELCh color **84, 49.056, 188.716** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **49, 95.954, 38.459**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.632, 196.994**, and **65, 39.972, 188.117** is the 20% darker color. If you saturate the color by 10%, you get **84, 49.044, 188.714**, and if you desaturate by 10%, it is **84, 48.125, 189.399**.

Distribution



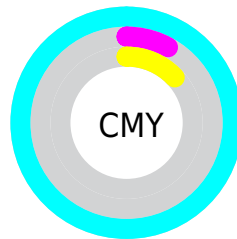
- Red (0%)
- Green (92%)
- Blue (87%)



- Red (0%)
- Yellow (47%)
- Blue (92%)



- Cyan (100%)
- Magenta (0%)
- Yellow (5%)
- Black (8%)



- Cyan (100%)
- Magenta (8%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 49.056, 188.716 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, 49.056, 188.716 by changing the saturation by 10% instead.


 84, 49.056,
188.716

 84, 49.056,
188.716


 100, 49.056,
188.716


 74, 49.056,
188.716

 64, 49.056,
188.716

 54, 49.056,
188.716

 44, 49.056,
188.716

 34, 49.056,
188.716

 24, 49.056,
188.716

 14, 49.056,

188.716

■ 4, 49.056, 188.716

■ 0, 49.056, 188.716

■ 84, 49.056,
188.716

■ 84, 49.056,
188.716

■ 84, 49.044,
188.714

■ 84, 48.125,
189.399

■ 84, 46.418,
190.052

■ 85, 43.724,
190.680

■ 85, 39.997,
191.297

■ 86, 35.258,

191.914

■ 87, 29.583,
192.539

■ 88, 23.084,
193.180

■ 89, 15.896,
193.842

■ 91, 8.156, 194.543

Harmonies

Complementary

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



84, 49.056, 188.716



49, 95.954, 38.459

Rectangle

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



84, 49.056, 188.716



84, 49.056, 238.716



84, 49.056, 8.716



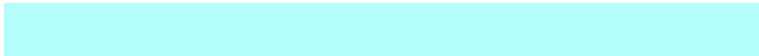
84, 49.056, 58.716

Sweetspot

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



84, 49.044, 188.714



95, 24.745, 193.171



81, 111.874, 135.798



50, 16.616, 192.898



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, 49.044, 188.714



91, 52.364, 188.679



55, 59.869, 277.502



48, 4.650, 194.582



67, 40.449, 188.833



19, 17.200, 189.897

Inverse Universe

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



49, 95.954, 38.459



53, 102.611, 38.597



59, 82.746, 54.833



46, 4.909, 15.787



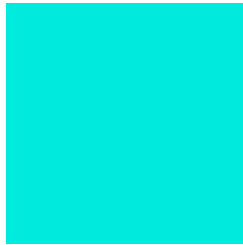
38, 78.663, 37.930



7, 28.322, 20.630

Previews

White Background



This preview shows how the CIE LCh color 84, 49.056, 188.716 looks on a white background.

Color Contrast Check

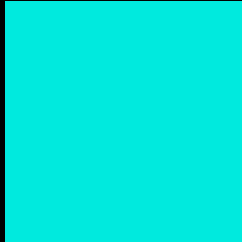
Large Text (above 18pt) WCAG AA × Fail

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, 49.056, 188.716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

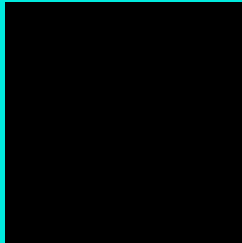
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

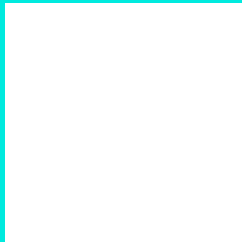
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 49.056, 188.716

Background



This preview shows how black text looks on a background with the CIELCh color 84, 49.056, 188.716.

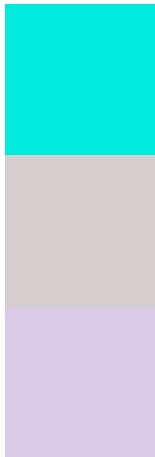


This preview shows how white text looks on a background with the CIELCh color 84, 49.056, 188.716.

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

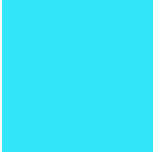
84, 49.056, 188.716

Protanopia

83, 1.894, 35.367

Deuteranopia

83, 15.421, 312.727



Tritanopia
84, 42.324, 210.697

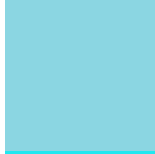
Trichromacy



Original Color
84, 49.056, 188.716



Protanomaly
82, 26.663, 191.783



Deuteranomaly
81, 24.162, 213.280

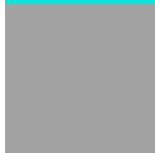


Tritanomaly
84, 44.421, 202.097

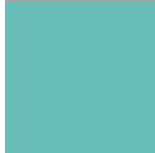
Monochromacy



Original Color
84, 49.056, 188.716



Achromatopsia
67, 0.008, 296.813



Achromatomaly
71, 27.512, 191.535

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 49.056, 188.716 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(0, 234, 222)` looks like.

```
.text, #text, p{  
    color:rgb(0, 234, 222)  
}
```

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(0, 234, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 234, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 49.056, 188.716 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(0, 234, 222) }
```

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

```
.border{ border-color:rgb(0, 234, 222) }
```

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

Here you see how a box with a 4 pixel rgb(0, 234, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 234, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 234, 222);  
box-shadow:4px 4px 4px 4px rgb(0, 234,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 49.056, 188.716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 234, 222) }
```

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

```
.background{ background-color: rgb(0, 234,  
222) }
```

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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