

Converting Colors

CIELCh(86, 46.879, 190.541)

Have a look what the booklet for
CIELCh(86, 46.879, 190.541)
contains.

CIELCh(86, 46.948, 190.556)	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(86, 46.948, 190.556)

Conversions

Conversions Part 1

Format	Color
Hex	31EFE6
RGB	49, 239, 230
RGB Percent	19%, 94%, 90%
CMY	0.8091, 0.0634, 0.0987
CMYK	0.80, 0.00, 0.04, 0.06
HSL	177°, 85%, 56%
HSV	177°, 80%, 94%
XYZ	46.3306, 67.9871, 85.4272
YIQ	181.1640, -110.3510, -43.0790

Conversions

Conversions Part 2

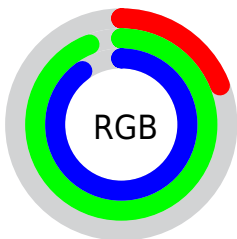
Format	Color
RYB	49, 146, 239
Decimal	3272678
CIELab	86.00, -46.15, -8.60
CIELCh	86, 46.948, 190.556
Yxy	67.9871, 0.2319, 0.3404
Android (android.graphics.Color)	4281462758 (0xFF31EFE6)
YUV	181.1640, 24.0761, -115.9078
Hunter-Lab	82.4543, -43.9968, -3.7097

Details

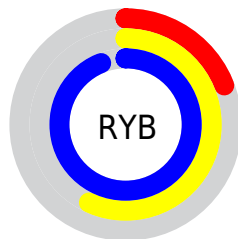
The CIELCh color **86, 46.948, 190.556** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **53, 81.915, 31.142**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 36.655, 197.170**, and **67, 40.127, 190.661** is the 20% darker color. If you saturate the color by 10%, you get **86, 48.686, 189.942**, and if you desaturate by 10%, it is **86, 44.202, 191.149**.

Distribution



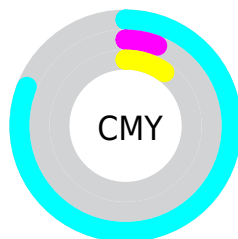
- Red (19%)
- Green (94%)
- Blue (90%)



- Red (19%)
- Yellow (57%)
- Blue (94%)



- Cyan (80%)
- Magenta (0%)
- Yellow (4%)
- Black (6%)





- Cyan (81%)
- Magenta (6%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 46.948, 190.556 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 86, 46.948, 190.556 by changing the saturation by 10% instead.


 86, 46.948,
190.556


 86, 46.948,
190.556


 100, 46.948,
190.556


 76, 46.948,
190.556

 66, 46.948,
190.556

 56, 46.948,
190.556

 46, 46.948,
190.556

 36, 46.948,
190.556

 26, 46.948,
190.556

 16, 46.948,

190.556

■ 6, 46.948, 190.556

■ 0, 46.948, 190.556

■ 86, 46.948,
190.556

■ 86, 46.948,
190.556

■ 86, 48.686,
189.942

■ 86, 44.202,
191.149

■ 86, 49.603,
189.302

■ 87, 40.404,
191.738


■ 86, 49.633,
189.277

■ 88, 35.575,
192.332

■ 89, 29.793,
192.939

■ 90, 23.175,

193.565

 91, 15.855,
194.215

 93, 7.975, 194.908

 94, 0.329, 13.605

 96, 5.808, 13.767

Harmonies

Complementary

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



86, 46.948, 190.556



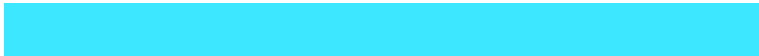
53, 81.915, 31.142

Rectangle

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



86, 46.948, 190.556



86, 46.948, 240.556



86, 46.948, 10.556



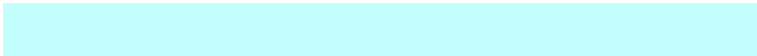
86, 46.948, 60.556

Sweetspot

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



86, 46.948, 190.555



96, 20.181, 193.921



83, 104.965, 136.576



51, 13.700, 193.690



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



86, 46.948, 190.555



91, 51.858, 189.512



61, 51.225, 269.900



49, 4.729, 194.919



67, 40.720, 189.389



20, 17.668, 190.328

Inverse Universe

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



53, 81.915, 31.142



54, 100.537, 37.664



66, 69.198, 60.465



47, 4.996, 16.110



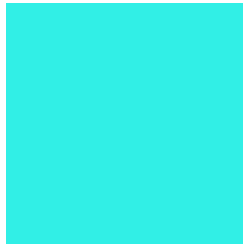
38, 79.672, 38.113



8, 29.589, 21.905

Previews

White Background



This preview shows how the CIE LCh color 86, 46.948, 190.556 looks on a white background.

Color Contrast Check

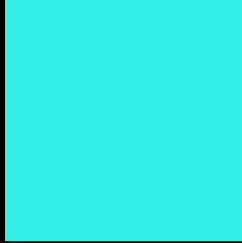
Large Text (above 18pt) WCAG AA × Fail

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 86, 46.948, 190.556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

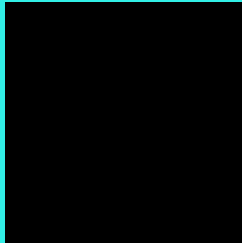
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

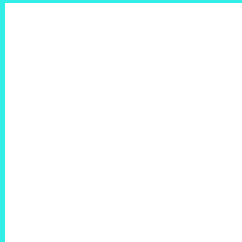
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 86, 46.948, 190.556

Background



This preview shows how black text looks on a background with the CIELCh color 86, 46.948, 190.556.



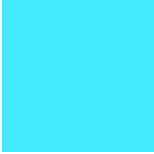
This preview shows how white text looks on a background with the CIELCh color 86, 46.948, 190.556.

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](#).

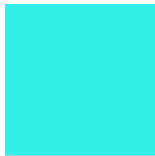
Dichromacy





Tritanopia
86, 41.603, 210.957

Trichromacy



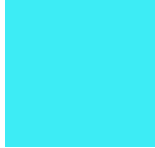
Original Color
86, 46.948, 190.556



Protanomaly
84, 21.817, 195.124



Deuteranomaly
84, 20.271, 221.368

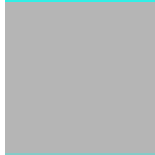


Tritanomaly
86, 42.934, 203.116

Monochromacy



Original Color
86, 46.948, 190.556



Achromatopsia
74, 0.009, 296.813



Achromatomaly
77, 22.937, 193.656

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 46.948, 190.556 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(49, 239, 230)` looks like.

```
.text, #text, p{  
    color:rgb(49, 239, 230)  
}
```

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(49, 239, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 239, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 46.948, 190.556 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(49, 239, 230) }
```

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

```
.border{ border-color:rgb(49, 239, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 239, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 239, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 239, 230);  
box-shadow:4px 4px 4px 4px rgb(49, 239,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 46.948, 190.556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 239, 230) }
```

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

```
.background{ background-color: rgb(49, 239,  
230) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor