

Converting Colors

CIELCh(86, 46.548, 201.077)

Have a look what the booklet for
CIELCh(86, 46.548, 201.077)
contains.

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Color

CIELCh(86, 46.506, 201.089)

Conversions

Conversions Part 1

Format	Color
Hex	0BEEF5
RGB	11, 238, 245
RGB Percent	4%, 93%, 96%
CMY	0.9570, 0.0656, 0.0381
CMYK	0.96, 0.03, 0.00, 0.04
HSL	182°, 92%, 50%
HSV	182°, 96%, 96%
XYZ	47.3132, 67.9871, 97.2322
YIQ	170.9250, -137.5390, -45.9470

Conversions

Conversions Part 2

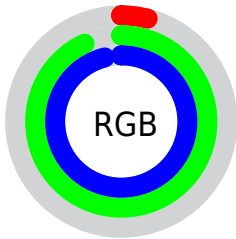
Format	Color
R _Y B	11, 126, 245
Decimal	782069
CIE Lab	86.00, -43.39, -16.73
CIE LCh	86, 46.506, 201.089
Yxy	67.9871, 0.2226, 0.3199
Android (android.graphics.Color)	4278972149 (0xFF0BEEF5)
YUV	170.9250, 36.5190, -140.2542
Hunter-Lab	82.4543, -41.8697, -12.1983

Details

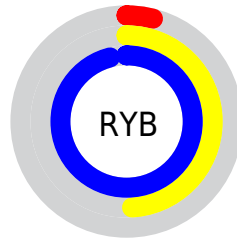
The CIELCh color **86, 46.506, 201.089** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **52, 98.857, 39.360**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 38.681, 197.050**, and **67, 37.783, 203.340** is the 20% darker color. If you saturate the color by 10%, you get **86, 46.658, 201.280**, and if you desaturate by 10%, it is **86, 45.718, 200.721**.

Distribution



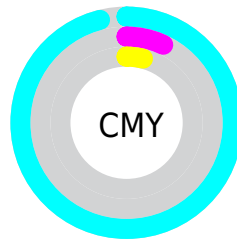
- Red (4%)
- Green (93%)
- Blue (96%)



- Red (4%)
- Yellow (49%)
- Blue (96%)



- Cyan (96%)
- Magenta (3%)
- Yellow (0%)
- Black (4%)





- Cyan (96%)
- Magenta (7%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 46.506, 201.089 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, 46.506, 201.089 by changing the saturation by 10% instead.


 86, 46.506,
201.089


 86, 46.506,
201.089


 100, 46.506,
201.089


 76, 46.506,
201.089

 66, 46.506,
201.089

 56, 46.506,
201.089

 46, 46.506,
201.089

 36, 46.506,
201.089

 26, 46.506,
201.089

 16, 46.506,

201.089

■ 6, 46.506, 201.089

■ 0, 46.506, 201.089

■ 86, 46.506,
201.089

■ 86, 46.506,
201.089

■ 86, 46.658,
201.280

■ 86, 45.718,
200.721

■ 87, 43.977,
200.479

■ 88, 41.180,
200.360

■ 88, 37.305,
200.360

■ 89, 32.394,

200.469

■ 91, 26.537,
200.677

■ 92, 19.857,
200.973

■ 94, 12.488,
201.351

■ 96, 4.568, 201.859

Harmonies

Complementary

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



86, 46.506, 201.089



52, 98.857, 39.360

Rectangle

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



86, 46.506, 201.089



86, 46.506, 251.089



86, 46.506, 21.089



86, 46.506, 71.089

Sweetspot

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



86, 46.505, 201.088



95, 22.967, 200.859



85, 115.077, 136.245



50, 15.485, 200.734



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, 46.505, 201.088



89, 48.050, 201.290



53, 70.394, 284.539



50, 4.640, 201.629



67, 37.959, 201.193



21, 16.965, 200.532

Inverse Universe

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



58, 108.925, 329.404



60, 112.844, 329.480



67, 80.494, 62.570



48, 8.583, 325.755



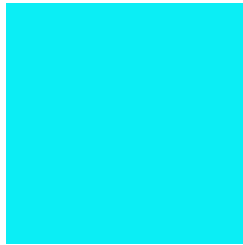
44, 89.118, 329.455



11, 39.746, 329.289

Previews

White Background



This preview shows how the CIE LCh color 86, 46.506, 201.089 looks on a white background.

Color Contrast Check

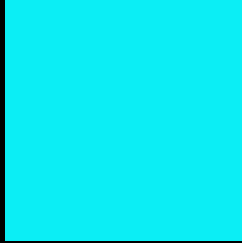
Large Text (above 18pt) WCAG AA × Fail

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, 46.506, 201.089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

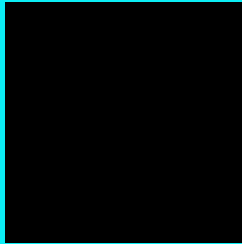
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 86, 46.506, 201.089

Background



This preview shows how black text looks on a background with the CIELCh color 86, 46.506, 201.089.



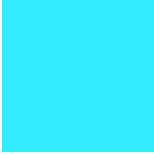
This preview shows how white text looks on a background with the CIELCh color 86, 46.506, 201.089.

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](#).

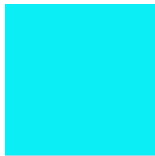
Dichromacy



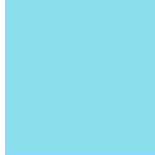


Tritanopia
86, 43.377, 210.269

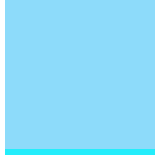
Trichromacy



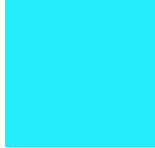
Original Color
86, 46.462, 201.095



Protanomaly
84, 26.208, 213.080



Deuteranomaly
84, 27.792, 234.523



Tritanomaly
86, 44.755, 206.237

Monochromacy



Original Color
86, 46.462, 201.095



Achromatopsia
70, 0.009, 296.813



Achromatomaly
74, 25.944, 201.113

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 46.506, 201.089 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(11, 238, 245)` looks like.

```
.text, #text, p{  
    color:rgb(11, 238, 245)  
}
```

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(11, 238, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 238, 245) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 46.506, 201.089 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(11, 238, 245) }
```

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

```
.border{ border-color:rgb(11, 238, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 238, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 238, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 238, 245);  
box-shadow:4px 4px 4px 4px rgb(11, 238,  
245) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 46.506, 201.089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 238, 245) }
```

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

```
.background{ background-color: rgb(11, 238,  
245) }
```

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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