

Converting Colors

CIELCh(86, 46.449, 194.543)

Have a look what the booklet for
CIELCh(86, 46.449, 194.543)
contains.

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Color

CIELCh(86, 46.556, 194.480)

Conversions

Conversions Part 1

Format	Color
Hex	28EFEC
RGB	40, 239, 236
RGB Percent	16%, 94%, 93%
CMY	0.8428, 0.0643, 0.0760
CMYK	0.83, 0.00, 0.01, 0.06
HSL	179°, 86%, 55%
HSV	179°, 83%, 94%
XYZ	46.7119, 67.9871, 89.7212
YIQ	179.1570, -117.6410, -43.1210

Conversions

Conversions Part 2

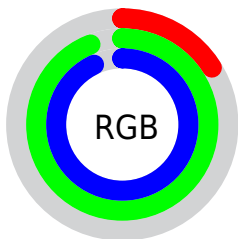
Format	Color
RYB	40, 140, 239
Decimal	2682860
CIELab	86.00, -45.08, -11.64
CIELCh	86, 46.556, 194.480
Yxy	67.9871, 0.2285, 0.3326
Android (android.graphics.Color)	4280872940 (0xFF28EFEC)
YUV	179.1570, 28.0236, -122.0407
Hunter-Lab	82.4543, -43.1715, -6.7974

Details

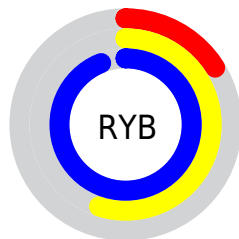
The CIELCh color **86, 46.556, 194.480** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **52, 86.958, 34.500**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 37.280, 197.133**, and **67, 39.218, 194.716** is the 20% darker color. If you saturate the color by 10%, you get **86, 47.778, 194.223**, and if you desaturate by 10%, it is **86, 44.368, 194.765**.

Distribution



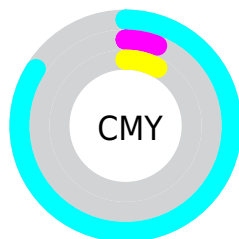
- Red (16%)
- Green (94%)
- Blue (93%)



- Red (16%)
- Yellow (55%)
- Blue (94%)



- Cyan (83%)
- Magenta (0%)
- Yellow (1%)
- Black (6%)




- Cyan (84%)
- Magenta (6%)
- Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 46.556, 194.480 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, 46.556, 194.480 by changing the saturation by 10% instead.


 86, 46.556,
194.480


 86, 46.556,
194.480


 100, 46.556,
194.480


 76, 46.556,
194.480

 66, 46.556,
194.480

 56, 46.556,
194.480

 46, 46.556,
194.480

 36, 46.556,
194.480

 26, 46.556,
194.480

 16, 46.556,

194.480

 6, 46.556, 194.480


 0, 46.556, 194.480


 86, 46.556,
194.480


 86, 46.556,
194.480


 86, 47.778,
194.223

 86, 44.368,
194.765

 86, 48.205,
194.060

 87, 41.134,
195.091

 87, 36.847,
195.463

 88, 31.561,
195.882

 89, 25.370,

196.350

■ 91, 18.401,
196.867

■ 92, 10.792,
197.437

■ 94, 2.680, 198.192

■ 96, 5.806, 18.455

Harmonies

Complementary

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



86, 46.556, 194.480



52, 86.958, 34.500

Rectangle

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



86, 46.556, 194.480



86, 46.556, 244.480



86, 46.556, 14.480



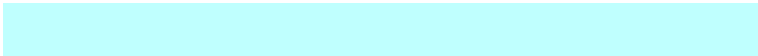
86, 46.556, 64.480

Sweetspot

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



86, 46.555, 194.479



96, 20.790, 196.765



83, 107.774, 136.663



51, 14.004, 196.581



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, 46.555, 194.479



91, 50.694, 194.052



58, 56.452, 275.420



49, 4.708, 197.671



68, 39.600, 194.098



21, 17.259, 194.413

Inverse Universe

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



52, 86.958, 34.500



53, 103.977, 39.584



67, 71.669, 62.729



47, 4.991, 18.717



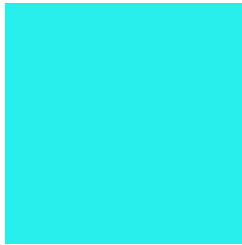
38, 81.011, 39.376



8, 29.754, 23.203

Previews

White Background



This preview shows how the CIE LCh color 86, 46.556, 194.480 looks on a white background.

Color Contrast Check

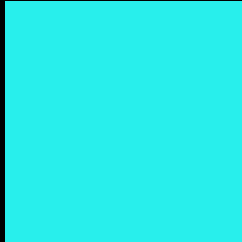
Large Text (above 18pt) WCAG AA × Fail

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, 46.556, 194.480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

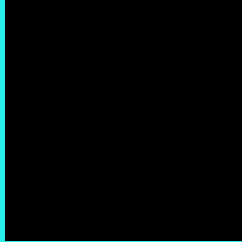
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 86, 46.556, 194.480

Background



This preview shows how black text looks on a background with the CIELCh color 86, 46.556, 194.480.

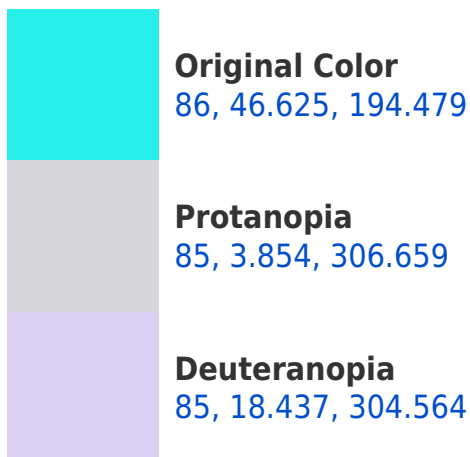


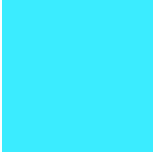
This preview shows how white text looks on a background with the CIELCh color 86, 46.556, 194.480.

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, 42.683, 210.530

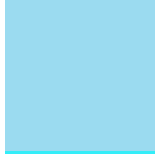
Trichromacy



Original Color
86, 46.625, 194.479



Protanomaly
84, 22.935, 201.854



Deuteranomaly
84, 22.550, 227.868

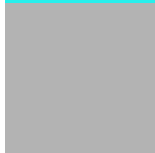


Tritanomaly
86, 43.802, 204.360

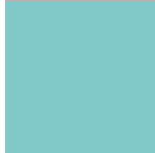
Monochromacy



Original Color
86, 46.625, 194.479



Achromatopsia
73, 0.009, 296.813



Achromatomaly
76, 23.858, 196.350

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 46.556, 194.480 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(40, 239, 236)` looks like.

```
.text, #text, p{  
    color:rgb(40, 239, 236)  
}
```

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(40, 239, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 239, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 46.556, 194.480 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(40, 239, 236) }
```

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

```
.border{ border-color:rgb(40, 239, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 239, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 239, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 239, 236);  
box-shadow:4px 4px 4px 4px rgb(40, 239,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 46.556, 194.480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 239, 236) }
```

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

```
.background{ background-color: rgb(40, 239,  
236) }
```

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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