

Converting Colors

CIELCh(86, 44.759, 196.547)

Have a look what the booklet for
CIELCh(86, 44.759, 196.547)
contains.

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Color

CIELCh(86, 44.814, 196.552)

Conversions

Conversions Part 1

Format	Color
Hex	37EEEE
RGB	55, 238, 238
RGB Percent	22%, 93%, 93%
CMY	0.7857, 0.0675, 0.0675
CMYK	0.77, 0.00, 0.00, 0.07
HSL	180°, 84%, 57%
HSV	180°, 77%, 93%
XYZ	47.4689, 67.9871, 91.3471
YIQ	183.2830, -109.0680, -38.7960

Conversions

Conversions Part 2

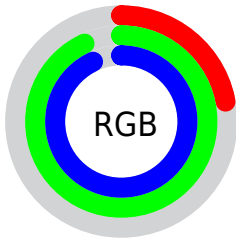
Format	Color
RYB	55, 147, 238
Decimal	3665646
CIELab	86.00, -42.96, -12.77
CIELCh	86, 44.814, 196.552
Yxy	67.9871, 0.2295, 0.3288
Android (android.graphics.Color)	4281855726 (0xFF37EEEE)
YUV	183.2830, 26.9755, -112.5042
Hunter-Lab	82.4543, -41.5327, -7.9665

Details

The CIELCh color **86, 44.814, 196.552** 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, 81.254, 33.080**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 35.800, 197.221**, and **67, 38.598, 197.236** is the 20% darker color. If you saturate the color by 10%, you get **86, 46.544, 196.446**, and if you desaturate by 10%, it is **86, 42.065, 196.718**.

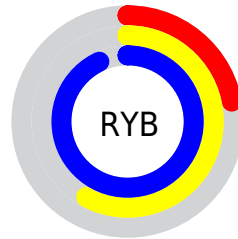
Distribution



Red (22%)

Green (93%)

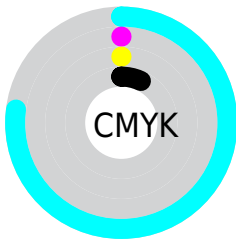
Blue (93%)



Red (22%)

Yellow (58%)

Blue (93%)

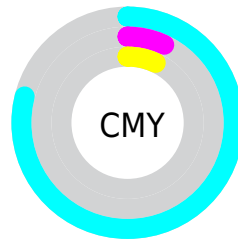


Cyan (77%)

Magenta (0%)

Yellow (0%)

Black (7%)



Cyan (79%)


Magenta (7%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 86, 44.814, 196.552 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, 44.814, 196.552 by changing the saturation by 10% instead.


 86, 44.814,
196.552


 86, 44.814,
196.552


 100, 44.814,
196.552


 76, 44.814,
196.552

 66, 44.814,
196.552

 56, 44.814,
196.552

 46, 44.814,
196.552

 36, 44.814,
196.552

 26, 44.814,
196.552

 16, 44.814,

196.552

■ 6, 44.814, 196.552

■ 0, 44.814, 196.552

■ 86, 44.814,
196.552

■ 86, 44.814,
196.552

■ 86, 46.544,
196.446

■ 86, 42.065,
196.718

■ 86, 47.376,
196.396

■ 87, 38.261,
196.953

■ 86, 47.534,
196.386

■ 88, 33.428,
197.254

■ 89, 27.646,
197.622

■ 90, 21.026,

198.052

■ 91, 13.701,
198.543

■ 93, 5.809, 199.126

■ 95, 2.518, 19.325

■ 95, 6.169, 19.720

Harmonies

Complementary

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



86, 44.814, 196.552



53, 81.254, 33.080

Rectangle

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



86, 44.814, 196.552



86, 44.814, 246.552



86, 44.814, 16.552



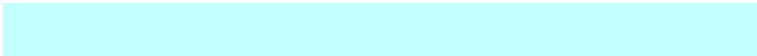
86, 44.814, 66.552

Sweetspot

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



86, 44.813, 196.551



96, 19.208, 198.237



83, 103.430, 137.332



51, 13.123, 198.066



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, 44.813, 196.551



91, 49.643, 196.413



60, 53.852, 274.564



49, 4.701, 198.966



68, 39.157, 196.386



21, 17.094, 196.386

Inverse Universe

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



59, 101.003, 327.961



61, 114.033, 328.187



69, 66.184, 65.297



47, 8.608, 324.943



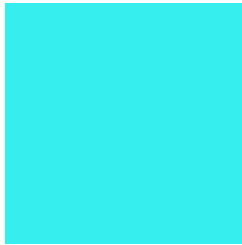
44, 90.297, 328.233



10, 39.418, 328.233

Previews

White Background



This preview shows how the CIE LCh color 86, 44.814, 196.552 looks on a white background.

Color Contrast Check

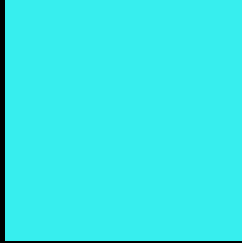
Large Text (above 18pt) WCAG AA × Fail

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, 44.814, 196.552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

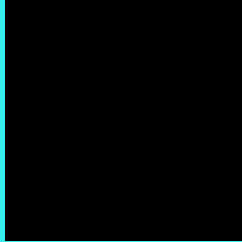
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 86, 44.814, 196.552

Background



This preview shows how black text looks on a background with the CIELCh color 86, 44.814, 196.552.



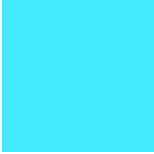
This preview shows how white text looks on a background with the CIELCh color 86, 44.814, 196.552.

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

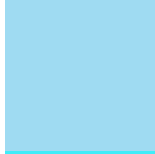
Trichromacy



Original Color
86, 44.814, 196.552



Protanomaly
84, 21.233, 208.108



Deuteranomaly
84, 22.032, 231.965

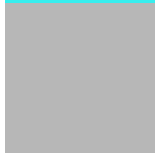


Tritanomaly
86, 42.528, 205.397

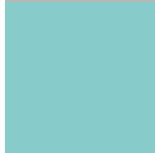
Monochromacy



Original Color
86, 44.814, 196.552



Achromatopsia
74, 0.009, 296.813



Achromatomaly
77, 22.085, 197.800

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 44.814, 196.552 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(55, 238, 238)` looks like.

```
.text, #text, p{  
    color:rgb(55, 238, 238)  
}
```

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(55, 238, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 238, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 44.814, 196.552 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(55, 238, 238) }
```

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

```
.border{ border-color:rgb(55, 238, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 238, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 238, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 238, 238);  
box-shadow:4px 4px 4px 4px rgb(55, 238,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 44.814, 196.552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 238, 238) }
```

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

```
.background{ background-color: rgb(55, 238,  
238) }
```

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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