

Converting Colors

CIELCh(86, 44.324, 194.500)

Have a look what the booklet for
CIELCh(86, 44.324, 194.500)
contains.

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Color

CIELCh(86, 44.420, 194.507)

Conversions

Conversions Part 1

Format	Color
Hex	3FEEEB
RGB	63, 238, 235
RGB Percent	25%, 93%, 92%
CMY	0.7549, 0.0679, 0.0796
CMYK	0.74, 0.00, 0.01, 0.07
HSL	179°, 83%, 59%
HSV	179°, 74%, 93%
XYZ	47.4521, 67.9871, 88.9856
YIQ	185.3330, -103.3370, -38.0330

Conversions

Conversions Part 2

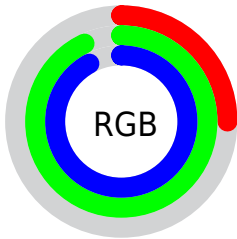
Format	Color
RYB	63, 151, 238
Decimal	4189931
CIELab	86.00, -43.00, -11.13
CIElCh	86, 44.420, 194.507
Yxy	67.9871, 0.2321, 0.3326
Android (android.graphics.Color)	4282380011 (0xFF3FEEEB)
YUV	185.3330, 24.4858, -107.2860
Hunter-Lab	82.4543, -41.5690, -6.2684

Details

The CIELCh color **86, 44.420, 194.507** 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 **54, 76.900, 30.816**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 34.920, 197.274**, and **67, 39.060, 194.707** is the 20% darker color. If you saturate the color by 10%, you get **86, 46.562, 194.200**, and if you desaturate by 10%, it is **86, 41.237, 194.847**.

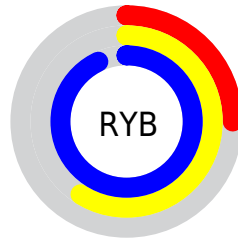
Distribution



Red (25%)

Green (93%)

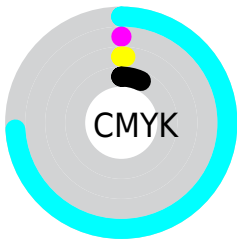
Blue (92%)



Red (25%)

Yellow (59%)

Blue (93%)

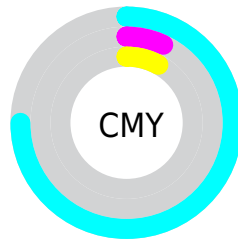


Cyan (74%)

Magenta (0%)

Yellow (1%)

Black (7%)



Cyan (75%)

Magenta (7%)

Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 44.420, 194.507 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, 44.420, 194.507 by changing the saturation by 10% instead.


 86, 44.420,
194.507

 86, 44.420,
194.507

 100, 44.420,
194.507

 76, 44.420,
194.507

 66, 44.420,
194.507

 56, 44.420,
194.507

 46, 44.420,
194.507

 36, 44.420,
194.507

 26, 44.420,
194.507

 16, 44.420,


194.507

 6, 44.420, 194.507


 0, 44.420, 194.507


 86, 44.420,
194.507


 86, 44.420,
194.507

 86, 46.562,
194.200


 86, 41.237,
194.847


 86, 47.749,
193.921

 87, 37.004,
195.231


 85, 48.143,
193.754

 88, 31.771,
195.660

 89, 25.633,
196.136

 90, 18.715,

196.658

 92, 11.153,
197.231

 93, 3.086, 197.961

 95, 5.359, 18.251

 95, 6.211, 16.601

Harmonies

Complementary

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



86, 44.420, 194.507



54, 76.900, 30.816

Rectangle

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



86, 44.420, 194.507



86, 44.420, 244.507



86, 44.420, 14.507



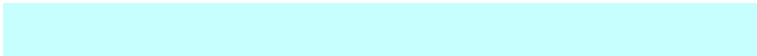
86, 44.420, 64.507

Sweetspot

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



86, 44.420, 194.506



96, 18.490, 196.747



83, 100.071, 137.249



51, 12.310, 196.598



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, 44.420, 194.506



91, 49.803, 194.068



62, 48.928, 269.393



49, 4.709, 197.498



68, 39.663, 193.796



20, 17.282, 194.152

Inverse Universe

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



54, 76.900, 30.816



54, 96.150, 36.283



68, 63.378, 62.806



47, 4.991, 18.554



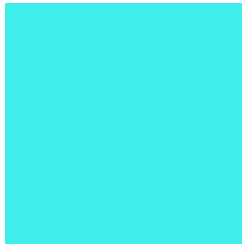
38, 80.922, 39.294



8, 29.743, 23.122

Previews

White Background



This preview shows how the CIE LCh color 86, 44.420, 194.507 looks on a white background.

Color Contrast Check

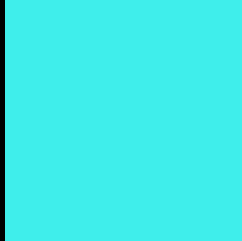
Large Text (above 18pt) WCAG AA × Fail

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, 44.420, 194.507 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, 44.420, 194.507

Background



This preview shows how black text looks on a background with the CIELCh color 86, 44.420, 194.507.

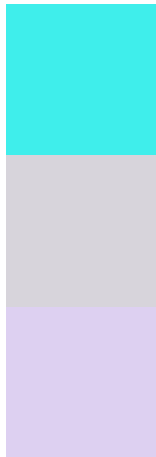


This preview shows how white text looks on a background with the CIELCh color 86, 44.420, 194.507.

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

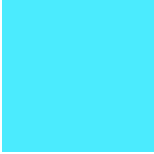
86, 44.420, 194.507

Protanopia

85, 3.854, 306.659

Deuteranopia

85, 18.011, 305.997

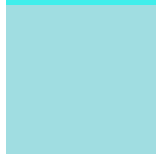


Tritanopia
86, 40.796, 211.286

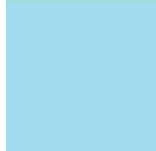
Trichromacy



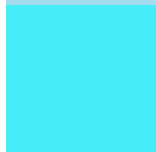
Original Color
86, 44.420, 194.507



Protanomaly
84, 20.062, 204.145



Deuteranomaly
84, 20.407, 229.678

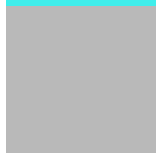


Tritanomaly
86, 41.808, 204.842

Monochromacy



Original Color
86, 44.420, 194.507



Achromatopsia
75, 0.009, 296.813



Achromatomaly
78, 21.292, 196.406

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 44.420, 194.507 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(63, 238, 235)` looks like.

```
.text, #text, p{  
    color:rgb(63, 238, 235)  
}
```

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(63, 238, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 238, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 44.420, 194.507 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(63, 238, 235) }
```

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

```
.border{ border-color:rgb(63, 238, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 238, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 238, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 238, 235);  
box-shadow:4px 4px 4px 4px rgb(63, 238,  
235) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 44.420, 194.507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 238, 235) }
```

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

```
.background{ background-color: rgb(63, 238,  
235) }
```

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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