

Converting Colors

CIELCh(88, 34.794, 187.443)

Have a look what the booklet for
CIELCh(88, 34.794, 187.443)
contains.

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Color

CIELCh(88, 34.750, 187.544)

Conversions

Conversions Part 1

Format	Color
Hex	80EFE4
RGB	128, 239, 228
RGB Percent	50%, 94%, 89%
CMY	0.4972, 0.0620, 0.1051
CMYK	0.46, 0.00, 0.05, 0.06
HSL	174°, 78%, 72%
HSV	174°, 46%, 94%
XYZ	53.8870, 72.0653, 84.6099
YIQ	204.5570, -62.6250, -26.9530

Conversions

Conversions Part 2

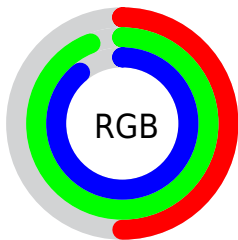
Format	Color
RYB	128, 186, 239
Decimal	8450020
CIELab	88.00, -34.45, -4.56
CIElCh	88, 34.750, 187.544
Yxy	72.0653, 0.2559, 0.3423
Android (android.graphics.Color)	4286640100 (0xFF80EFE4)
YUV	204.5570, 11.5574, -67.1405
Hunter-Lab	84.8913, -35.2521, 0.3304

Details

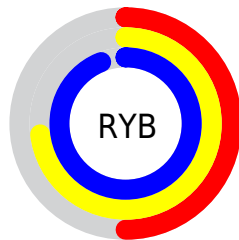
The CIELCh color **88, 34.750, 187.544** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **66, 45.583, 17.165**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 21.978, 198.063**, and **68, 34.866, 187.472** is the 20% darker color. If you saturate the color by 10%, you get **87, 40.219, 186.681**, and if you desaturate by 10%, it is **89, 28.399, 188.373**.

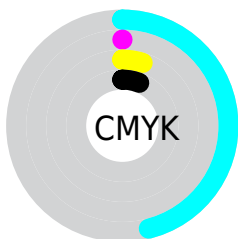
Distribution



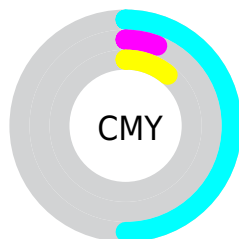
- Red (50%)
- Green (94%)
- Blue (89%)



- Red (50%)
- Yellow (73%)
- Blue (94%)



- Cyan (46%)
- Magenta (0%)
- Yellow (5%)
- Black (6%)



- Cyan (50%)
- Magenta (6%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 34.750, 187.544 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 88, 34.750, 187.544 by changing the saturation by 10% instead.

 88, 34.750,
187.544

 88, 34.750,
187.544

 100, 34.750,
187.544

 78, 34.750,
187.544

 68, 34.750,
187.544

 58, 34.750,
187.544

 48, 34.750,
187.544

 38, 34.750,
187.544

 28, 34.750,
187.544

 18, 34.750,


187.544


 8, 34.750, 187.544


 0, 34.750, 187.544


 88, 34.750,
187.544

 88, 34.750,
187.544


 87, 40.219,
186.681


 89, 28.399,
188.373

 86, 44.705,
185.773

 90, 21.297,
189.184

 86, 48.154,
184.803

 92, 13.587,
189.990

 86, 50.578,
183.750

 93, 5.413, 190.836

 85, 52.078,

 95, 3.094, 11.294

182.599

96, 5.874, 3.408

85, 52.490,
182.174

96, 6.317, 352.800

96, 6.948, 343.862

96, 7.722, 336.576

Harmonies

Complementary

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



88, 34.750, 187.544



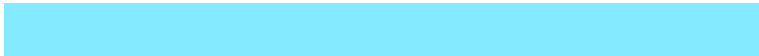
66, 45.583, 17.165

Rectangle

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



88, 34.750, 187.544



88, 34.750, 237.544



88, 34.750, 7.544



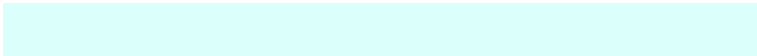
88, 34.750, 57.544

Sweetspot

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



88, 34.750, 187.542



97, 12.280, 190.181



86, 67.294, 138.559



52, 8.436, 190.005



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



88, 34.750, 187.542



92, 42.105, 186.699



76, 30.085, 251.659



49, 4.785, 190.562



67, 42.967, 182.386



20, 18.475, 184.176

Inverse Universe

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



66, 45.583, 17.165



65, 58.891, 19.475



76, 37.697, 59.333



47, 5.026, 11.943



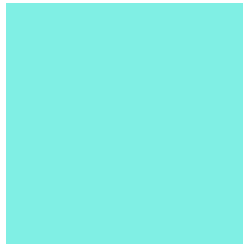
38, 77.504, 35.867



8, 29.353, 19.789

Previews

White Background



This preview shows how the CIE LCh color 88, 34.750, 187.544 looks on a white background.

Color Contrast Check

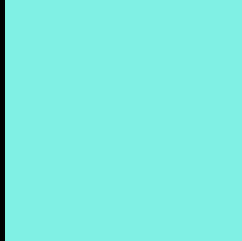
Large Text (above 18pt) WCAG AA × Fail

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 88, 34.750, 187.544 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 88, 34.750, 187.544

Background



This preview shows how black text looks on a background with the CIELCh color 88, 34.750, 187.544.

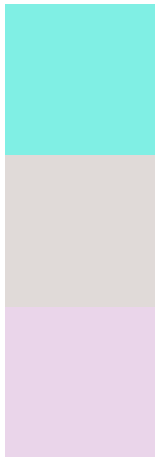


This preview shows how white text looks on a background with the CIELCh color 88, 34.750, 187.544.

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
88, 34.750, 187.544

Protanopia
87, 2.400, 45.022

Deuteranopia
87, 13.329, 324.914



Tritanopia
88, 30.340, 216.945

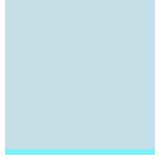
Trichromacy



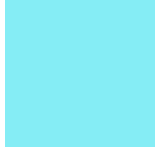
Original Color
88, 34.750, 187.544



Protanomaly
87, 13.273, 184.798



Deuteranomaly
87, 10.237, 226.375

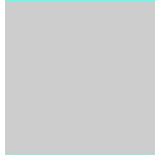


Tritanomaly
88, 31.163, 205.237

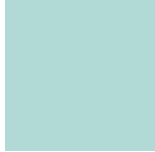
Monochromacy



Original Color
88, 34.750, 187.544



Achromatopsia
82, 0.010, 296.813



Achromatomaly
84, 14.047, 189.762

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 34.750, 187.544 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(128, 239, 228)` looks like.

```
.text, #text, p{  
    color:rgb(128, 239, 228)  
}
```

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(128, 239, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 239, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 34.750, 187.544 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(128, 239, 228) }
```

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

```
.border{ border-color:rgb(128, 239, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 239, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 239, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 239, 228);  
box-shadow:4px 4px 4px 4px rgb(128, 239,  
228) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 34.750, 187.544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 239, 228) }
```

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

```
.background{ background-color: rgb(128,  
239, 228) }
```

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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