

Converting Colors

CIELCh(87, 37.695, 160.741)

Have a look what the booklet for
CIELCh(87, 37.695, 160.741)
contains.

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Color

CIELCh(87, 37.892, 160.594)

Conversions

Conversions Part 1

Format	Color
Hex	94ECC1
RGB	148, 236, 193
RGB Percent	58%, 93%, 76%
CMY	0.4203, 0.0752, 0.2438
CMYK	0.37, 0.00, 0.18, 0.08
HSL	151°, 70%, 75%
HSV	151°, 37%, 92%
XYZ	51.7287, 70.0064, 61.1353
YIQ	204.7860, -38.6450, -32.0290

Conversions

Conversions Part 2

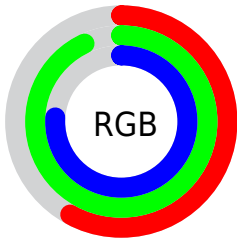
Format	Color
RYB	148, 206, 236
Decimal	9759937
CIELab	87.00, -35.74, 12.59
CIELCh	87, 37.892, 160.594
Yxy	70.0064, 0.2829, 0.3828
Android (android.graphics.Color)	4287950017 (0xFF94ECC1)
YUV	204.7860, -5.8105, -49.8013
Hunter-Lab	83.6698, -36.0650, 15.2473

Details

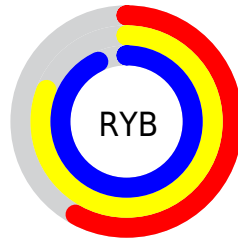
The CIELCh color **87, 37.892, 160.594** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **71, 39.751, 347.999**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 17.102, 187.963**, and **67, 38.212, 160.195** is the 20% darker color. If you saturate the color by 10%, you get **86, 47.302, 159.300**, and if you desaturate by 10%, it is **88, 28.019, 161.740**.

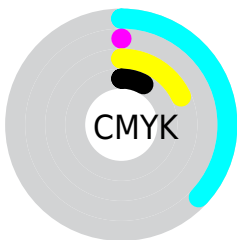
Distribution



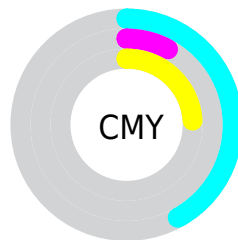
- Red (58%)
- Green (93%)
- Blue (76%)



- Red (58%)
- Yellow (81%)
- Blue (93%)



- Cyan (37%)
- Magenta (0%)
- Yellow (18%)
- Black (8%)



- Cyan (42%)
- Magenta (8%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 37.892, 160.594 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 87, 37.892, 160.594 by changing the saturation by 10% instead.


 87, 37.892,
160.594

 87, 37.892,
160.594

 100, 37.892,
160.594

 77, 37.892,
160.594

 67, 37.892,
160.594

 57, 37.892,
160.594

 47, 37.892,
160.594

 37, 37.892,
160.594

 27, 37.892,
160.594


 17, 37.892,


160.594

 7, 37.892, 160.594


 0, 37.892, 160.594


 87, 37.892,
160.594

 87, 37.892,
160.594

 86, 47.302,
159.300


 88, 28.019,
161.740

 85, 56.068,
157.835


 90, 17.851,
162.767

 84, 64.029,
156.173

 92, 7.545, 163.717

 83, 71.068,
154.299

 94, 2.771, 344.316

 95, 10.136,
332.342

 83, 77.138,

152.209

95, 11.968,
324.832

83, 82.300,
149.939

83, 83.600,
149.338

Harmonies

Complementary

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



87, 37.892, 160.594



71, 39.751, 347.999

Rectangle

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



87, 37.892, 160.594



87, 37.892, 210.594



87, 37.892, 340.594



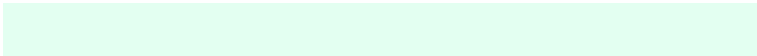
87, 37.892, 30.594

Sweetspot

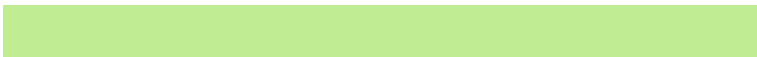
The Sweet Spot groups the original color and five complimentary colors.



87, 37.893, 160.593



98, 12.092, 163.366



89, 47.937, 127.309



52, 8.125, 163.238



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



87, 37.893, 160.593



92, 48.115, 159.588



88, 27.642, 197.611



48, 5.836, 163.514



65, 67.995, 149.761



19, 26.925, 153.753

Inverse Universe

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



71, 39.751, 347.999



72, 50.844, 349.060



70, 35.988, 22.931



46, 5.915, 345.028



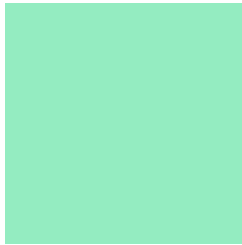
39, 65.434, 3.017



8, 28.504, 356.085

Previews

White Background



This preview shows how the CIELCh color 87, 37.892, 160.594 looks on a white background.

Color Contrast Check

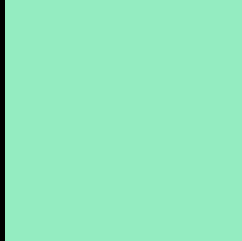
Large Text (above 18pt) WCAG AA × Fail

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 87, 37.892, 160.594 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 87, 37.892, 160.594

Background



This preview shows how black text looks on a background with the CIELCh color 87, 37.892, 160.594.

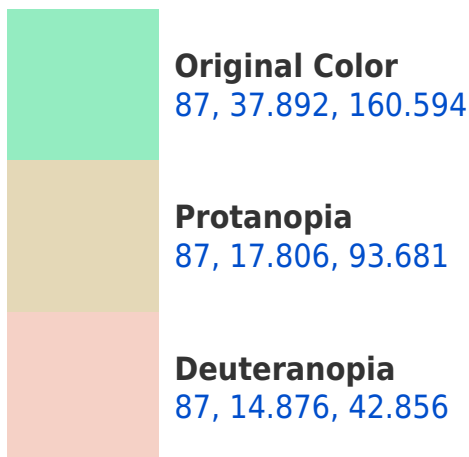


This preview shows how white text looks on a background with the CIELCh color 87, 37.892, 160.594.

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



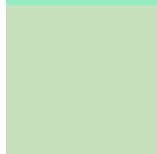


Tritanopia
87, 23.118, 223.844

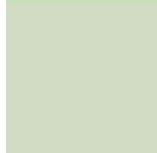
Trichromacy



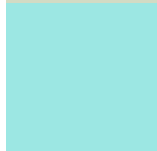
Original Color
87, 37.892, 160.594



Protanomaly
86, 20.834, 133.966



Deuteranomaly
86, 12.481, 124.669



Tritanomaly
87, 24.525, 192.835

Monochromacy



Original Color
87, 37.892, 160.594



Achromatopsia
82, 0.010, 296.813



Achromatomaly
84, 14.025, 164.099

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 37.892, 160.594 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(148, 236, 193)` looks like.

```
.text, #text, p{  
    color:rgb(148, 236, 193)  
}
```

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(148, 236, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 236, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 37.892, 160.594 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(148, 236, 193) }
```

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

```
.border{ border-color:rgb(148, 236, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 236, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 236, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 236, 193);  
box-shadow:4px 4px 4px 4px rgb(148, 236,  
193) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 37.892, 160.594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 236, 193) }
```

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

```
.background{ background-color: rgb(148,  
236, 193) }
```

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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