

Converting Colors

CIELCh(87, 34.110, 190.577)

Have a look what the booklet for
CIELCh(87, 34.110, 190.577)
contains.

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Color

CIELCh(87, 34.094, 190.944)

Conversions

Conversions Part 1

Format	Color
Hex	7DECE5
RGB	125, 236, 229
RGB Percent	49%, 93%, 90%
CMY	0.5098, 0.0745, 0.1020
CMYK	0.47, 0.00, 0.03, 0.07
HSL	176°, 74%, 71%
HSV	176°, 47%, 93%
XYZ	52.5946, 70.0064, 84.8674
YIQ	202.0130, -63.9090, -25.7090

Conversions

Conversions Part 2

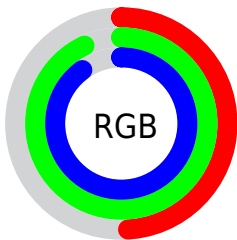
Format	Color
RYB	125, 182, 236
Decimal	8252645
CIELab	87.00, -33.47, -6.47
CIELCh	87, 34.094, 190.944
Yxy	70.0064, 0.2535, 0.3374
Android (android.graphics.Color)	4286442725 (0xFF7DECE5)
YUV	202.0130, 13.3046, -67.5404
Hunter-Lab	83.6698, -34.2176, -1.5697

Details

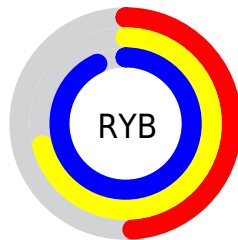
The CIELCh color **87, 34.094, 190.944** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **65, 46.051, 19.991**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 22.846, 198.009**, and **67, 34.173, 191.057** is the 20% darker color. If you saturate the color by 10%, you get **86, 39.222, 190.258**, and if you desaturate by 10%, it is **88, 28.061, 191.626**.

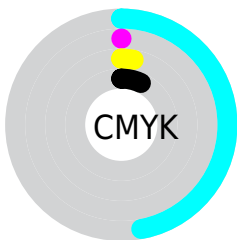
Distribution



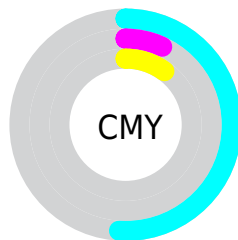
- Red (49%)
- Green (93%)
- Blue (90%)



- Red (49%)
- Yellow (71%)
- Blue (93%)



- Cyan (47%)
- Magenta (0%)
- Yellow (3%)
- Black (7%)




- Cyan (51%)
- Magenta (7%)
- Yellow (10%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 34.094, 190.944 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, 34.094, 190.944 by changing the saturation by 10% instead.


 87, 34.094,
190.944

 87, 34.094,
190.944

 100, 34.094,
190.944

 77, 34.094,
190.944

 67, 34.094,
190.944

 57, 34.094,
190.944

 47, 34.094,
190.944

 37, 34.094,
190.944


 27, 34.094,
190.944

 17, 34.094,


190.944

 7, 34.094, 190.944


 0, 34.094, 190.944


 87, 34.094,
190.944

 87, 34.094,
190.944


 86, 39.222,
190.258


 88, 28.061,
191.626

 86, 43.354,
189.564

 89, 21.246,
192.316

 85, 46.448,
188.847

 91, 13.788,
193.022

 85, 48.526,
188.092

 92, 5.827, 193.781

 85, 49.700,

 94, 2.507, 14.134

187.286

95, 6.886, 11.545

85, 49.959,
187.043

95, 7.027, 5.387

95, 7.247, 359.538

95, 7.539, 354.092

Harmonies

Complementary

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



87, 34.094, 190.944



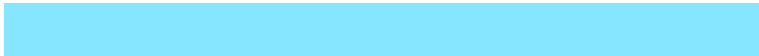
65, 46.051, 19.991

Rectangle

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



87, 34.094, 190.944



87, 34.094, 240.944



87, 34.094, 10.944



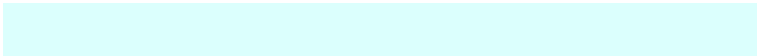
87, 34.094, 60.944

Sweetspot

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



87, 34.094, 190.942



98, 12.159, 193.238



85, 68.075, 139.251



52, 8.348, 193.081



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, 34.094, 190.942



92, 41.193, 190.313



74, 31.083, 256.193



48, 4.660, 193.584



66, 40.919, 187.191



19, 17.364, 188.472

Inverse Universe

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



65, 46.051, 19.991



65, 59.482, 22.139



76, 37.910, 62.715



46, 4.914, 14.835



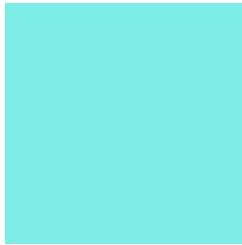
38, 78.211, 37.475



7, 28.278, 20.147

Previews

White Background



This preview shows how the CIE LCh color 87, 34.094, 190.944 looks on a white background.

Color Contrast Check

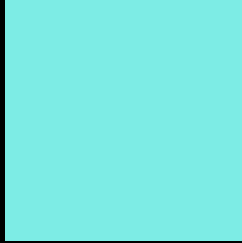
Large Text (above 18pt) WCAG AA × Fail

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, 34.094, 190.944 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, 34.094, 190.944

Background



This preview shows how black text looks on a background with the CIELCh color 87, 34.094, 190.944.

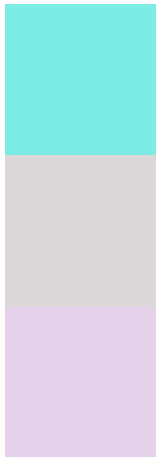


This preview shows how white text looks on a background with the CIELCh color 87, 34.094, 190.944.

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
87, 34.094, 190.944

Protanopia
86, 2.102, 349.389

Deuteranopia
86, 14.334, 318.998



Tritanopia
87, 30.687, 215.666

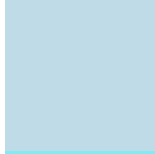
Trichromacy



Original Color
87, 34.094, 190.944



Protanomaly
86, 13.142, 193.931



Deuteranomaly
86, 11.530, 235.343

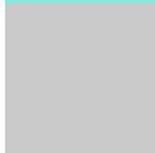


Tritanomaly
87, 31.351, 206.168

Monochromacy



Original Color
87, 34.094, 190.944



Achromatopsia
81, 0.010, 296.813



Achromatomaly
83, 13.871, 194.051

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 34.094, 190.944 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(125, 236, 229)` looks like.

```
.text, #text, p{  
    color:rgb(125, 236, 229)  
}
```

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(125, 236, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 236, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 34.094, 190.944 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(125, 236, 229) }
```

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

```
.border{ border-color:rgb(125, 236, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 236, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 236, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 236, 229);  
box-shadow:4px 4px 4px 4px rgb(125, 236,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 34.094, 190.944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 236, 229) }
```

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

```
.background{ background-color: rgb(125,  
236, 229) }
```

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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