

Converting Colors

CIELCh(87, 33.974, 198.543)

Have a look what the booklet for
CIELCh(87, 33.974, 198.543)
contains.

CIELCh(87, 34.021, 198.101)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(87, 34.021, 198.101)

Conversions

Conversions Part 1

Format	Color
Hex	79ECED
RGB	121, 236, 237
RGB Percent	47%, 93%, 93%
CMY	0.5264, 0.0754, 0.0715
CMYK	0.49, 0.00, 0.00, 0.07
HSL	181°, 76%, 70%
HSV	181°, 49%, 93%
XYZ	53.0327, 70.0064, 90.6622
YIQ	201.7290, -68.8610, -24.0690

Conversions

Conversions Part 2

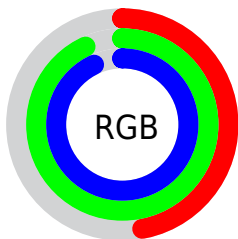
Format	Color
RYB	121, 179, 237
Decimal	7990509
CIELab	87.00, -32.34, -10.57
CIELCh	87, 34.021, 198.101
Yxy	70.0064, 0.2482, 0.3276
Android (android.graphics.Color)	4286180589 (0xFF79ECED)
YUV	201.7290, 17.3886, -70.7993
Hunter-Lab	83.6698, -33.2830, -5.6761

Details

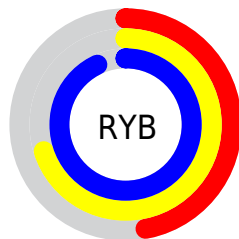
The CIELCh color **87, 34.021, 198.101** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **64, 48.871, 25.527**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 23.704, 197.956**, and **67, 34.191, 197.659** is the 20% darker color. If you saturate the color by 10%, you get **86, 38.587, 197.870**, and if you desaturate by 10%, it is **88, 28.494, 198.404**.

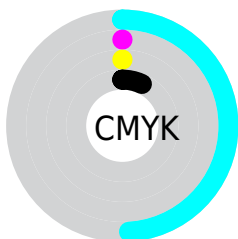
Distribution



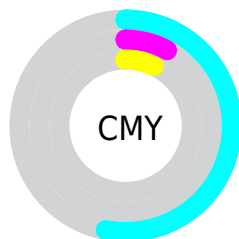
- Red (47%)
- Green (93%)
- Blue (93%)



- Red (47%)
- Yellow (70%)
- Blue (93%)



- Cyan (49%)
- Magenta (0%)
- Yellow (0%)
- Black (7%)





- Cyan (53%)
- Magenta (8%)
- Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 34.021, 198.101 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, 34.021, 198.101 by changing the saturation by 10% instead.


 87, 34.021,
198.101


 87, 34.021,
198.101


 100, 34.021,
198.101


 77, 34.021,
198.101

 67, 34.021,
198.101

 57, 34.021,
198.101

 47, 34.021,
198.101

 37, 34.021,
198.101

 27, 34.021,
198.101

 17, 34.021,

198.101

■ 7, 34.021, 198.101

■ 0, 34.021, 198.101

■ 87, 34.021,
198.101

■ 87, 34.021,
198.101

■ 86, 38.587,
197.870

■ 88, 28.494,
198.404

■ 86, 42.121,
197.720

■ 89, 22.113,
198.780

■ 85, 44.606,
197.652

■ 91, 15.007,
199.222

■ 85, 46.090,
197.661

■ 92, 7.314, 199.747

■ 85, 46.743,

■ 94, 0.837, 19.434

197.738

95, 6.464, 20.761

85, 46.791,
197.747

95, 6.393, 21.699

95, 6.323, 22.657

95, 6.256, 23.637

Harmonies

Complementary

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



87, 34.021, 198.101



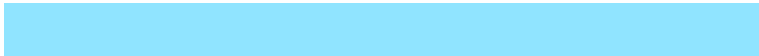
64, 48.871, 25.527

Rectangle

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



87, 34.021, 198.101



87, 34.021, 248.101



87, 34.021, 18.101



87, 34.021, 68.101

Sweetspot

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



87, 34.021, 198.099



97, 12.737, 199.416



85, 72.232, 140.427



52, 8.635, 199.310



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, 34.021, 198.099



92, 40.918, 197.865



71, 34.926, 264.726



48, 4.579, 199.719



66, 38.278, 197.724



19, 16.421, 197.526

Inverse Universe

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



68, 71.455, 327.259



68, 88.733, 327.690



77, 40.306, 69.242



46, 8.408, 325.172



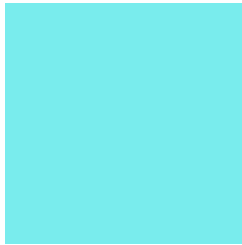
43, 88.765, 328.576



9, 38.048, 328.526

Previews

White Background



This preview shows how the CIE LCh color 87, 34.021, 198.101 looks on a white background.

Color Contrast Check

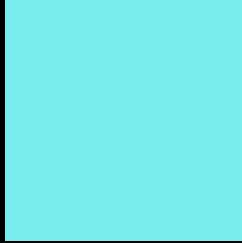
Large Text (above 18pt) WCAG AA × Fail

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, 34.021, 198.101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

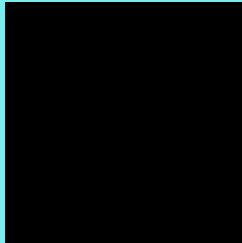
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 34.021, 198.101

Background



This preview shows how black text looks on a background with the CIELCh color 87, 34.021, 198.101.

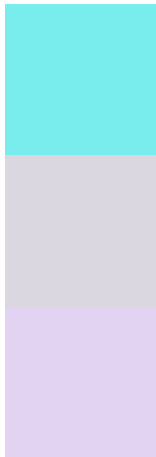


This preview shows how white text looks on a background with the CIELCh color 87, 34.021, 198.101.

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, 34.021, 198.101

Protanopia
86, 4.859, 303.253

Deuteranopia
87, 17.153, 309.092



Tritanopia
87, 32.016, 215.828

Trichromacy



Original Color
87, 34.021, 198.101



Protanomaly
86, 13.769, 211.827



Deuteranomaly
86, 14.688, 244.712

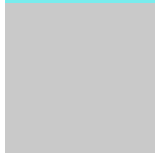


Tritanomaly
87, 32.420, 208.696

Monochromacy



Original Color
87, 34.021, 198.101



Achromatopsia
81, 0.010, 296.813



Achromatomaly
83, 14.388, 198.415

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 34.021, 198.101 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(121, 236, 237)` looks like.

```
.text, #text, p{  
    color:rgb(121, 236, 237)  
}
```

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(121, 236, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 236, 237) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 34.021, 198.101 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(121, 236, 237) }
```

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

```
.border{ border-color:rgb(121, 236, 237) }
```

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

Here you see how a box with a 4 pixel rgb(121, 236, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 236, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 236, 237);  
box-shadow:4px 4px 4px 4px rgb(121, 236,  
237) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 34.021, 198.101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 236, 237) }
```

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

```
.background{ background-color: rgb(121,  
236, 237) }
```

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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