

Converting Colors

CIELCh(87, 38.935, 175.862)

Have a look what the booklet for
CIELCh(87, 38.935, 175.862)
contains.

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Color

CIELCh(87, 39.007, 175.509)

Conversions

Conversions Part 1

Format	Color
Hex	7CEED3
RGB	124, 238, 211
RGB Percent	49%, 93%, 83%
CMY	0.5144, 0.0674, 0.1732
CMYK	0.48, 0.00, 0.11, 0.07
HSL	166°, 77%, 71%
HSV	166°, 48%, 93%
XYZ	50.5412, 70.0064, 72.3593
YIQ	200.8360, -59.2770, -32.5650

Conversions

Conversions Part 2

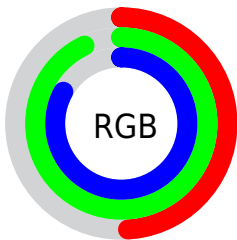
Format	Color
RYB	124, 189, 238
Decimal	8187603
CIELab	87.00, -38.89, 3.05
CIELCh	87, 39.007, 175.509
Yxy	70.0064, 0.2620, 0.3629
Android (android.graphics.Color)	4286377683 (0xFF7CEED3)
YUV	200.8360, 5.0109, -67.3852
Hunter-Lab	83.6698, -38.5984, 7.2937

Details

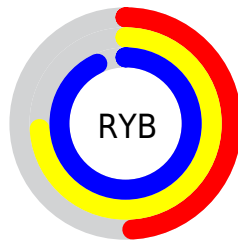
The CIELCh color **87, 39.007, 175.509** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **66, 46.898, 7.040**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 23.419, 197.974**, and **67, 38.644, 176.138** is the 20% darker color. If you saturate the color by 10%, you get **86, 45.393, 174.195**, and if you desaturate by 10%, it is **88, 31.832, 176.704**.

Distribution



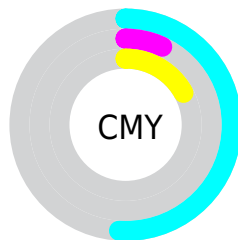
- Red (49%)
- Green (93%)
- Blue (83%)



- Red (49%)
- Yellow (74%)
- Blue (93%)



- Cyan (48%)
- Magenta (0%)
- Yellow (11%)
- Black (7%)




- Cyan (51%)
- Magenta (7%)
- Yellow (17%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 39.007, 175.509 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, 39.007, 175.509 by changing the saturation by 10% instead.

 87, 39.007,
175.509

 87, 39.007,
175.509


 100, 39.007,
175.509


 77, 39.007,
175.509

 67, 39.007,
175.509

 57, 39.007,
175.509

 47, 39.007,
175.509

 37, 39.007,
175.509


 27, 39.007,
175.509


 17, 39.007,


175.509


 7, 39.007, 175.509


 0, 39.007, 175.509

 87, 39.007,
175.509


 87, 39.007,
175.509


 86, 45.393,
174.195


 88, 31.832,
176.704

 85, 50.872,
172.742

 89, 24.011,
177.808

 85, 55.379,
171.123

 91, 15.695,
178.841

 84, 58.919,
169.321

 93, 7.031, 179.843

 84, 61.610,

 94, 1.850, 0.361

167.342

96, 7.046, 350.234

84, 62.120,
166.932

96, 8.826, 333.772

96, 10.716,
324.785

Harmonies

Complementary

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



87, 39.007, 175.509



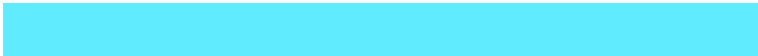
66, 46.898, 7.040

Rectangle

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



87, 39.007, 175.509



87, 39.007, 225.509



87, 39.007, 355.509



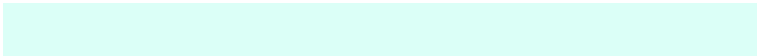
87, 39.007, 45.509

Sweetspot

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



87, 39.008, 175.508



97, 13.034, 179.230



87, 66.018, 134.689



52, 8.972, 179.013



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, 39.008, 175.508



92, 48.031, 174.156



80, 28.737, 230.141



49, 5.059, 179.686



67, 50.914, 167.291



20, 21.309, 170.460

Inverse Universe

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



66, 46.898, 7.040



65, 60.055, 9.505



71, 40.530, 44.306



47, 5.232, 1.330



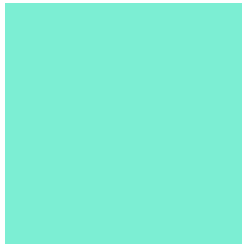
38, 70.921, 26.536



8, 28.903, 13.804

Previews

White Background



This preview shows how the CIELCh color 87, 39.007, 175.509 looks on a white background.

Color Contrast Check

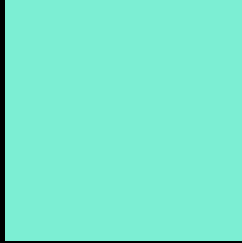
Large Text (above 18pt) WCAG AA × Fail

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, 39.007, 175.509 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, 39.007, 175.509

Background



This preview shows how black text looks on a background with the CIELCh color 87, 39.007, 175.509.

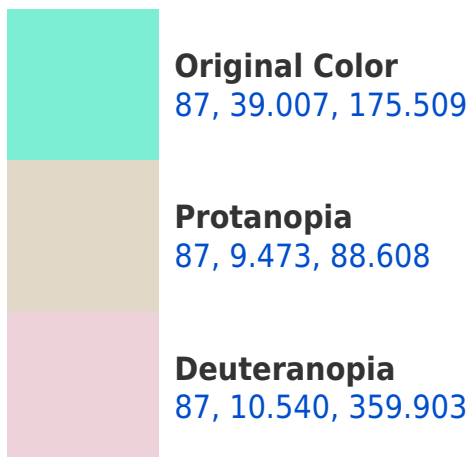


This preview shows how white text looks on a background with the CIELCh color 87, 39.007, 175.509.

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, 29.671, 217.471

Trichromacy



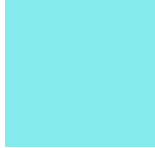
Original Color
87, 39.007, 175.509



Protanomaly
86, 17.064, 158.138



Deuteranomaly
86, 8.917, 181.696

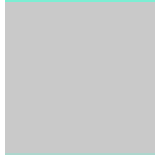


Tritanomaly
87, 30.978, 199.354

Monochromacy



Original Color
87, 39.007, 175.509



Achromatopsia
81, 0.010, 296.813



Achromatomaly
83, 15.214, 180.037

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 39.007, 175.509 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(124, 238, 211)` looks like.

```
.text, #text, p{  
    color:rgb(124, 238, 211)  
}
```

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(124, 238, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 238, 211) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 39.007, 175.509 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(124, 238, 211) }
```

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

```
.border{ border-color:rgb(124, 238, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 238, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 238, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 238, 211);  
box-shadow:4px 4px 4px 4px rgb(124, 238,  
211) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 39.007, 175.509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 238, 211) }
```

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

```
.background{ background-color: rgb(124,  
238, 211) }
```

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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