

Converting Colors

CIELCh(87, 27.325, 199.721)

Have a look what the booklet for
CIELCh(87, 27.325, 199.721)
contains.

CIELCh(87, 27.576, 198.702)	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, 27.576, 198.702)

Conversions

Conversions Part 1

Format	Color
Hex	91E9EA
RGB	145, 233, 234
RGB Percent	57%, 91%, 92%
CMY	0.4326, 0.0875, 0.0836
CMYK	0.38, 0.00, 0.00, 0.08
HSL	181°, 68%, 74%
HSV	181°, 38%, 92%
XYZ	55.4722, 70.0064, 88.1873
YIQ	206.8020, -52.7690, -18.3450

Conversions

Conversions Part 2

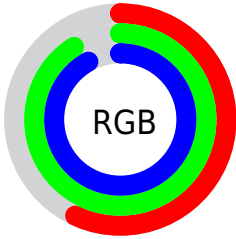
Format	Color
RYB	145, 189, 234
Decimal	9562602
CIELab	87.00, -26.12, -8.84
CIELCh	87, 27.576, 198.702
Yxy	70.0064, 0.2596, 0.3276
Android (android.graphics.Color)	4287752682 (0xFF91E9EA)
YUV	206.8020, 13.4086, -54.2004
Hunter-Lab	83.6698, -28.0785, -3.9223

Details

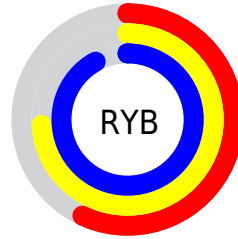
The CIELCh color **87, 27.576, 198.702** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **69, 36.193, 23.816**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 17.489, 198.347**, and **67, 27.666, 198.350** is the 20% darker color. If you saturate the color by 10%, you get **86, 33.112, 198.403**, and if you desaturate by 10%, it is **88, 21.209, 199.068**.

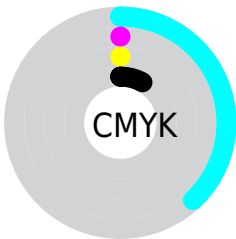
Distribution



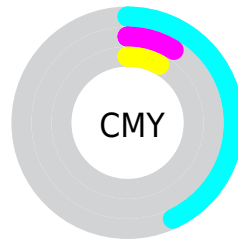
- Red (57%)
- Green (91%)
- Blue (92%)



- Red (57%)
- Yellow (74%)
- Blue (92%)



- Cyan (38%)
- Magenta (0%)
- Yellow (0%)
- Black (8%)



- Cyan (43%)
- Magenta (9%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 27.576, 198.702 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, 27.576, 198.702 by changing the saturation by 10% instead.

■ 87, 27.576,
198.702

■ 87, 27.576,
198.702

■ 100, 27.576,
198.702

■ 77, 27.576,
198.702

■ 67, 27.576,
198.702

■ 57, 27.576,
198.702

■ 47, 27.576,
198.702

■ 37, 27.576,
198.702


■ 27, 27.576,
198.702


■ 17, 27.576,


198.702

 7, 27.576, 198.702


 0, 27.576, 198.702


 87, 27.576,
198.702


 87, 27.576,
198.702

 86, 33.112,
198.403

 88, 21.209,
199.068

 85, 37.708,
198.185

 90, 14.139,
199.506

 85, 41.289,
198.049

 91, 6.501, 200.032

 84, 43.832,
197.999

 93, 1.577, 20.059

 94, 7.580, 21.049

 84, 45.378,

198.033

94, 7.489, 22.082

84, 46.067,
198.142

94, 7.400, 23.139

83, 46.156,
198.167

95, 7.314, 24.222

95, 7.231, 25.329

Harmonies

Complementary

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



87, 27.576, 198.702



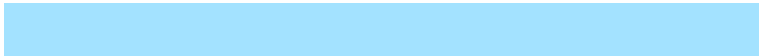
69, 36.193, 23.816

Rectangle

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



87, 27.576, 198.702



87, 27.576, 248.702



87, 27.576, 18.702



87, 27.576, 68.702

Sweetspot

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



87, 27.576, 198.699



98, 9.421, 199.861



85, 56.373, 141.573



52, 6.307, 199.788



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, 27.576, 198.699



93, 34.343, 198.452



75, 27.111, 261.919



48, 4.566, 199.950



66, 38.138, 198.137



19, 16.369, 197.877

Inverse Universe

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



72, 55.864, 326.805



74, 71.538, 327.205



80, 30.229, 70.644



46, 8.393, 325.243



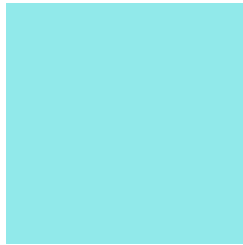
43, 88.584, 328.682



9, 37.982, 328.616

Previews

White Background



This preview shows how the CIE LCh color 87, 27.576, 198.702 looks on a white background.

Color Contrast Check

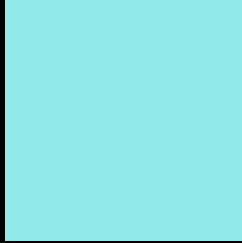
Large Text (above 18pt) WCAG AA × Fail

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, 27.576, 198.702 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, 27.576, 198.702

Background



This preview shows how black text looks on a background with the CIELCh color 87, 27.576, 198.702.



This preview shows how white text looks on a background with the CIELCh color 87, 27.576, 198.702.

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



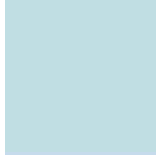


Tritanopia
87, 26.248, 220.395

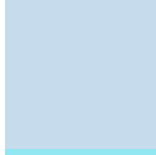
Trichromacy



Original Color
87, 27.576, 198.702



Protanomaly
87, 10.552, 213.208



Deuteranomaly
86, 11.258, 251.663

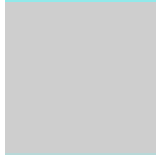


Tritanomaly
87, 26.398, 211.680

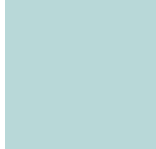
Monochromacy



Original Color
87, 27.576, 198.702



Achromatopsia
83, 0.010, 296.813



Achromatomaly
84, 11.104, 198.665

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 27.576, 198.702 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(145, 233, 234)` looks like.

```
.text, #text, p{  
    color:rgb(145, 233, 234)  
}
```

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(145, 233, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 233, 234) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 27.576, 198.702 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(145, 233, 234) }
```

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

```
.border{ border-color:rgb(145, 233, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 233, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(145, 233, 234); -webkit-box-shadow:4px 4px 4px 4px rgb(145, 233, 234); box-shadow:4px 4px 4px 4px rgb(145, 233, 234) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 27.576, 198.702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 233, 234) }
```

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

```
.background{ background-color: rgb(145,  
233, 234) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor