

Converting Colors

CIELCh(87, 26.427, 204.187)

Have a look what the booklet for
CIELCh(87, 26.427, 204.187)
contains.

CIELCh(87, 26.599, 203.391)	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, 26.599, 203.391)

Conversions

Conversions Part 1

Format	Color
Hex	93E8ED
RGB	147, 232, 237
RGB Percent	58%, 91%, 93%
CMY	0.4236, 0.0903, 0.0707
CMYK	0.38, 0.02, 0.00, 0.07
HSL	183°, 71%, 75%
HSV	183°, 38%, 93%
XYZ	56.1549, 70.0064, 90.6475
YIQ	207.1550, -52.2650, -16.4650

Conversions

Conversions Part 2

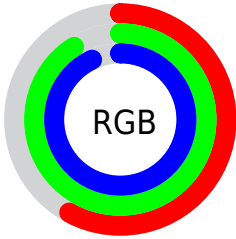
Format	Color
RYB	147, 191, 237
Decimal	9693421
CIELab	87.00, -24.41, -10.56
CIELCh	87, 26.599, 203.391
Yxy	70.0064, 0.2590, 0.3229
Android (android.graphics.Color)	4287883501 (0xFF93E8ED)
YUV	207.1550, 14.7136, -52.7559
Hunter-Lab	83.6698, -26.6222, -5.6656

Details

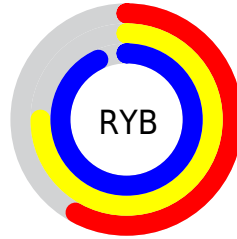
The CIELCh color **87, 26.599, 203.391** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **71, 35.124, 27.020**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 16.872, 198.386**, and **67, 26.457, 203.378** is the 20% darker color. If you saturate the color by 10%, you get **86, 31.938, 203.370**, and if you desaturate by 10%, it is **89, 20.446, 203.523**.

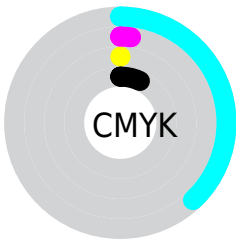
Distribution



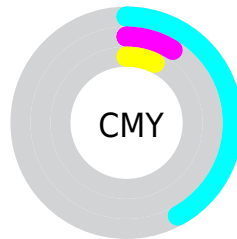
- Red (58%)
- Green (91%)
- Blue (93%)



- Red (58%)
- Yellow (75%)
- Blue (93%)



- Cyan (38%)
- Magenta (2%)
- Yellow (0%)
- Black (7%)



- Cyan (42%)
- Magenta (9%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 26.599, 203.391 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, 26.599, 203.391 by changing the saturation by 10% instead.

■ 87, 26.599,
203.391

■ 87, 26.599,
203.391

■ 100, 26.599,
203.391

■ 77, 26.599,
203.391

■ 67, 26.599,
203.391

■ 57, 26.599,
203.391

■ 47, 26.599,
203.391

■ 37, 26.599,
203.391

■ 27, 26.599,
203.391

■ 17, 26.599,

203.391

■ 7, 26.599, 203.391

■ 0, 26.599, 203.391

■ 87, 26.599,
203.391

■ 87, 26.599,
203.391

■ 86, 31.938,
203.370

■ 89, 20.446,
203.523

■ 84, 36.351,
203.487

■ 90, 13.607,
203.761

■ 84, 39.756,
203.759

■ 92, 6.213, 204.116

■ 83, 42.122,
204.203

■ 94, 1.612, 23.984

■ 96, 5.954, 27.486

■ 82, 43.484,

204.836

96, 5.620, 34.896

82, 43.977,
205.659

96, 5.392, 43.079

81, 44.029,
205.837

96, 5.283, 51.783

97, 5.300, 60.632

Harmonies

Complementary

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



87, 26.599, 203.391



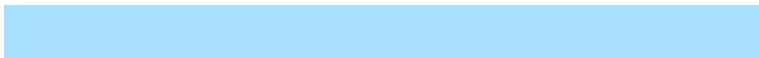
71, 35.124, 27.020

Rectangle

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



87, 26.599, 203.391



87, 26.599, 253.391



87, 26.599, 23.391



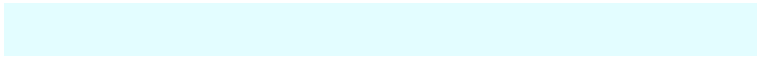
87, 26.599, 73.391

Sweetspot

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



87, 26.599, 203.388



98, 9.018, 203.989



87, 54.987, 142.901



52, 6.036, 203.939



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

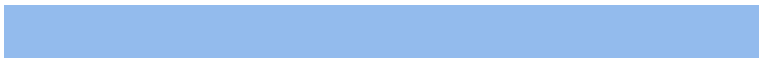
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87, 26.599, 203.388



92, 32.817, 203.364



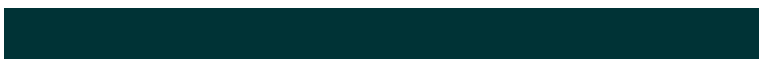
75, 28.963, 267.195



48, 4.371, 204.052



64, 36.028, 205.664



18, 15.576, 204.212

Inverse Universe

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



73, 54.702, 328.101



74, 69.458, 328.538



82, 31.211, 75.647



46, 8.144, 326.477



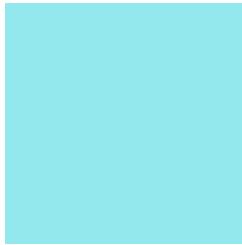
42, 85.561, 330.568



9, 36.873, 330.209

Previews

White Background



This preview shows how the CIE LCh color 87, 26.599, 203.391 looks on a white background.

Color Contrast Check

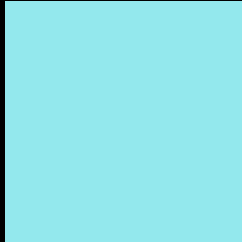
Large Text (above 18pt) WCAG AA × Fail

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, 26.599, 203.391 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

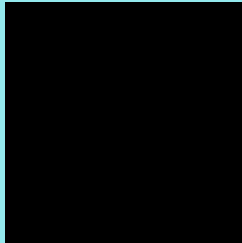
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 26.599, 203.391

Background



This preview shows how black text looks on a background with the CIELCh color 87, 26.599, 203.391.



This preview shows how white text looks on a background with the CIELCh color 87, 26.599, 203.391.

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



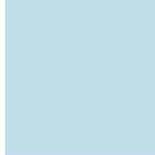


Tritanopia
87, 26.012, 220.623

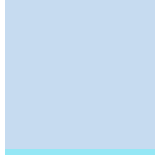
Trichromacy



Original Color
87, 26.599, 203.391



Protanomaly
87, 11.124, 223.994



Deuteranomaly
86, 12.911, 257.913

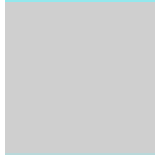


Tritanomaly
87, 26.014, 214.352

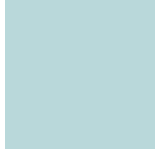
Monochromacy



Original Color
87, 26.599, 203.391



Achromatopsia
83, 0.010, 296.813



Achromatomaly
84, 10.752, 204.354

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 26.599, 203.391 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(147, 232, 237)` looks like.

```
.text, #text, p{  
    color:rgb(147, 232, 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(147, 232, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 232, 237) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 26.599, 203.391 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(147, 232, 237) }
```

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

```
.border{ border-color:rgb(147, 232, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 232, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 232, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 232, 237);  
box-shadow:4px 4px 4px 4px rgb(147, 232,  
237) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 26.599, 203.391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 232, 237) }
```

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

```
.background{ background-color: rgb(147,  
232, 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](#).

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