

Converting Colors

CIELCh(87, 28.886, 238.263)

Have a look what the booklet for
CIELCh(87, 28.886, 238.263)
contains.

CIELCh(87, 26.880, 230.123)	3
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Color

CIELCh(87, 26.880, 230.123)

Conversions

Conversions Part 1

Format	Color
Hex	97E5FF
RGB	151, 229, 255
RGB Percent	59%, 90%, 100%
CMY	0.4072, 0.1014, 0.0000
CMYK	0.41, 0.10, 0.00, 0.00
HSL	195°, 100%, 80%
HSV	195°, 41%, 100%
XYZ	59.0871, 70.0064, 105.9928
YIQ	208.6420, -54.8340, -8.4500

Conversions

Conversions Part 2

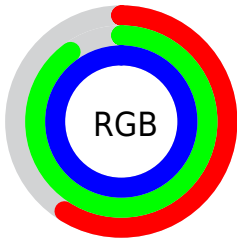
Format	Color
R_{YB}	151, 196, 255
Decimal	9954815
CIE _{Lab}	87.00, -17.23, -20.63
CIE _{LCh}	87, 26.880, 230.123
Yxy	70.0064, 0.2513, 0.2978
Android (android.graphics.Color)	4288144895 (0xFF97E5FF)
YUV	208.6420, 22.8545, -50.5520
Hunter-Lab	83.6698, -20.3666, -16.5396

Details

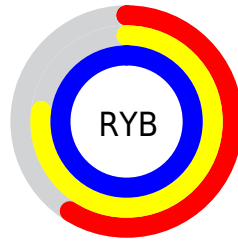
The CIELCh color **87, 26.880, 230.123** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **79, 35.426, 44.170**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 15.314, 198.486**, and **67, 26.618, 229.393** is the 20% darker color. If you saturate the color by 10%, you get **84, 31.726, 230.520**, and if you desaturate by 10%, it is **90, 20.889, 227.597**.

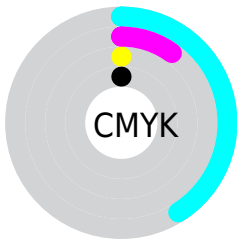
Distribution



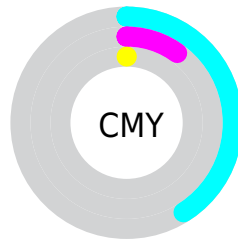
- Red (59%)
- Green (90%)
- Blue (100%)



- Red (59%)
- Yellow (77%)
- Blue (100%)



- Cyan (41%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (41%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 26.880, 230.123 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, 26.880, 230.123 by changing the saturation by 10% instead.

■ 87, 26.880,
230.123

■ 87, 26.880,
230.123

■ 100, 26.880,
230.123

■ 77, 26.880,
230.123

■ 67, 26.880,
230.123

■ 57, 26.880,
230.123

■ 47, 26.880,
230.123

■ 37, 26.880,
230.123

■ 27, 26.880,
230.123

■ 17, 26.880,

230.123

■ 7, 26.880, 230.123

■ 0, 26.880, 230.123

■ 87, 26.880,
230.123

■ 87, 26.880,
230.123

■ 84, 31.726,
230.520

■ 90, 20.889,
227.597

■ 81, 36.044,
232.646

■ 93, 14.550,
226.640

■ 79, 39.561,
235.342

■ 96, 7.733, 225.946

■ 77, 42.302,
238.695

100, 0.537,
226.500

■ 75, 44.382,

100, 0.012,
296.813

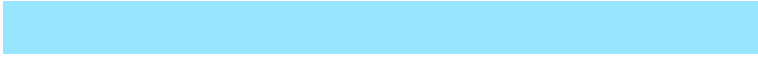
242.754

■ 73, 45.953,
247.049

Harmonies

Complementary

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



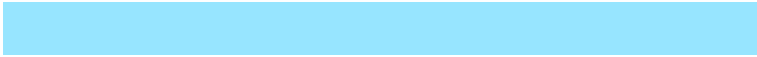
87, 26.880, 230.123



79, 35.426, 44.170

Rectangle

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



87, 26.880, 230.123



87, 26.880, 280.123



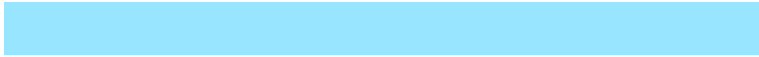
87, 26.880, 50.123



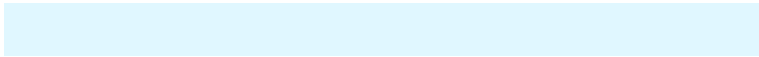
87, 26.880, 100.123

Sweetspot

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



87, 26.647, 228.866



96, 8.626, 226.020



92, 54.737, 148.228



51, 5.703, 226.100



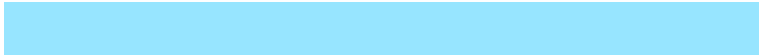
0, 0.000, 0.000



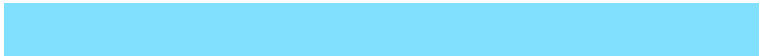
53, 0.007, 296.813

Same Dimension

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



87, 26.647, 228.866



85, 30.903, 230.203



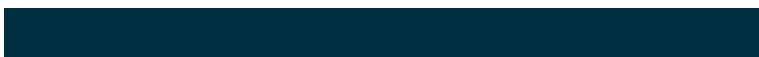
74, 41.716, 282.798



51, 4.112, 225.881



56, 36.832, 246.153



18, 16.479, 239.806

Inverse Universe

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



76, 54.416, 335.184



71, 64.574, 335.856



91, 40.638, 90.933



50, 7.613, 332.893



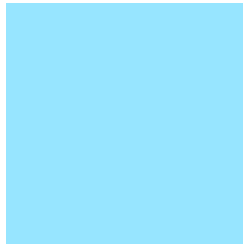
43, 76.905, 341.329



11, 36.146, 339.371

Previews

White Background



This preview shows how the CIE LCh color 87, 26.880, 230.123 looks on a white background.

Color Contrast Check

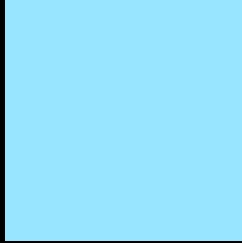
Large Text (above 18pt) WCAG AA × Fail

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, 26.880, 230.123 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, 26.880, 230.123

Background



This preview shows how black text looks on a background with the CIELCh color 87, 26.880, 230.123.

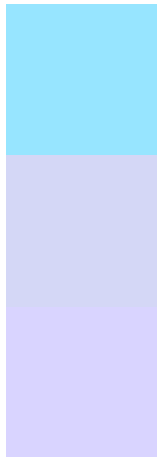


This preview shows how white text looks on a background with the CIELCh color 87, 26.880, 230.123.

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, 26.678, 229.026

Protanopia

87, 16.268, 287.960

Deuteranopia

87, 22.671, 296.254

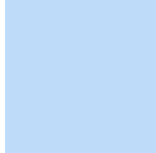


Tritanopia
87, 26.248, 220.395

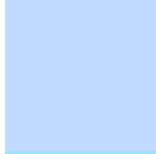
Trichromacy



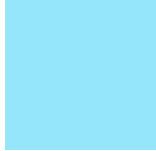
Original Color
87, 26.678, 229.026



Protanomaly
86, 17.803, 258.034

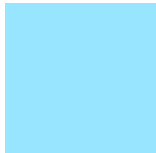


Deuteranomaly
86, 20.769, 268.857

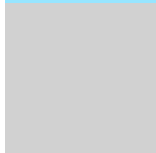


Tritanomaly
87, 26.279, 222.916

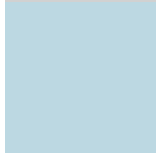
Monochromacy



Original Color
87, 26.678, 229.026



Achromatopsia
84, 0.010, 296.813



Achromatomaly
85, 10.791, 228.174

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 26.880, 230.123 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(151, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(151, 229, 255)  
}
```

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(151, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 229, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 26.880, 230.123 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(151, 229, 255) }
```

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

```
.border{ border-color:rgb(151, 229, 255) }
```

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

Here you see how a box with a 4 pixel rgb(151, 229, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(151, 229,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 26.880, 230.123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 229, 255) }
```

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

```
.background{ background-color: rgb(151,  
229, 255) }
```

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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