

Converting Colors

CIELCh(86, 27.858, 231.122)

Have a look what the booklet for
CIELCh(86, 27.858, 231.122)
contains.

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Color

CIELCh(86, 27.723, 230.329)

Conversions

Conversions Part 1

Format	Color
Hex	92E3FF
RGB	146, 227, 255
RGB Percent	57%, 89%, 100%
CMY	0.4290, 0.1114, 0.0016
CMYK	0.43, 0.11, 0.00, 0.00
HSL	195°, 99%, 78%
HSV	195°, 43%, 100%
XYZ	57.1261, 67.9871, 104.3754
YIQ	205.9730, -57.2640, -8.4640

Conversions

Conversions Part 2

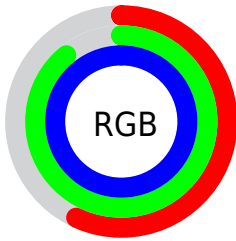
Format	Color
R_{YB}	146, 192, 255
Decimal	9626623
CIE _{Lab}	86.00, -17.70, -21.34
CIE _{LCh}	86, 27.723, 230.329
Yxy	67.9871, 0.2489, 0.2963
Android (android.graphics.Color)	4287816703 (0xFF92E3FF)
YUV	205.9730, 24.1703, -52.5963
Hunter-Lab	82.4543, -20.6265, -17.3347

Details

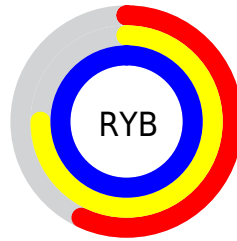
The CIELCh color **86, 27.723, 230.329** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **78, 37.377, 44.937**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 16.872, 198.386**, and **66, 27.723, 229.336** is the 20% darker color. If you saturate the color by 10%, you get **83, 32.670, 232.137**, and if you desaturate by 10%, it is **89, 22.091, 228.928**.

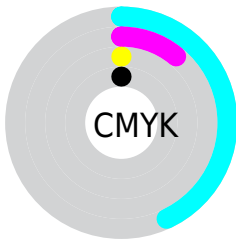
Distribution



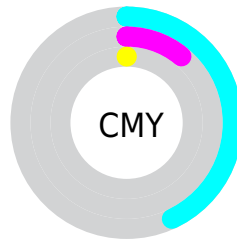
- Red (57%)
- Green (89%)
- Blue (100%)



- Red (57%)
- Yellow (75%)
- Blue (100%)



- Cyan (43%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)




- Cyan (43%)
- Magenta (11%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 27.723, 230.329 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 86, 27.723, 230.329 by changing the saturation by 10% instead.


 86, 27.723,
230.329

 86, 27.723,
230.329


 100, 27.723,
230.329


 76, 27.723,
230.329

 66, 27.723,
230.329

 56, 27.723,
230.329

 46, 27.723,
230.329

 36, 27.723,
230.329

 26, 27.723,
230.329

 16, 27.723,

230.329

■ 6, 27.723, 230.329

■ 0, 27.723, 230.329

■ 86, 27.723,
230.329

■ 86, 27.723,
230.329

■ 83, 32.670,
232.137

■ 89, 22.091,
228.928

■ 80, 36.863,
234.450

■ 92, 15.869,
227.860

■ 78, 40.275,
237.362

■ 95, 9.160, 227.069

■ 76, 42.952,
240.954

■ 99, 2.058, 226.688

100, 0.195,
109.767

■ 73, 45.034,

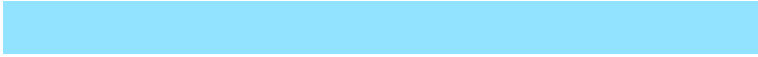
245.255

■ 72, 46.336,
248.678

Harmonies

Complementary

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



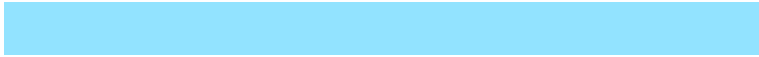
86, 27.723, 230.329



78, 37.377, 44.937

Rectangle

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



86, 27.723, 230.329



86, 27.723, 280.329



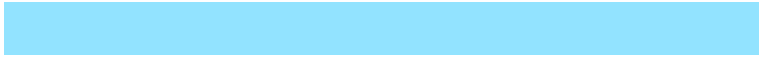
86, 27.723, 50.329



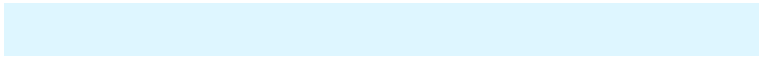
86, 27.723, 100.329

Sweetspot

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



86, 27.722, 230.327



96, 9.302, 227.082



92, 56.628, 148.569



50, 6.473, 227.235



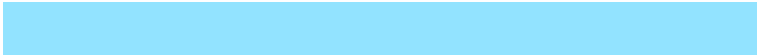
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



86, 27.722, 230.327



84, 31.869, 231.775



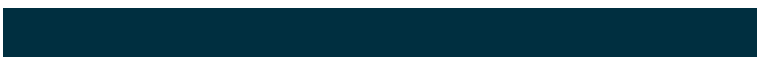
72, 44.879, 284.322



51, 4.103, 226.868



55, 37.165, 247.771



18, 16.569, 241.289

Inverse Universe

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



74, 56.673, 335.680



70, 66.559, 336.367



91, 43.277, 91.863



50, 7.570, 333.193



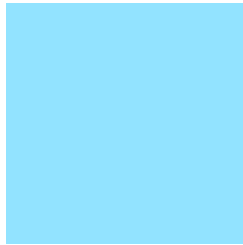
43, 76.486, 341.861



11, 35.966, 339.812

Previews

White Background



This preview shows how the CIE LCh color 86, 27.723, 230.329 looks on a white background.

Color Contrast Check

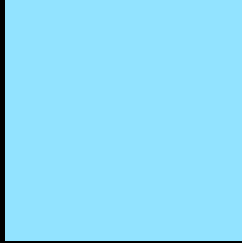
Large Text (above 18pt) WCAG AA × Fail

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 86, 27.723, 230.329 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 86, 27.723, 230.329

Background



This preview shows how black text looks on a background with the CIELCh color 86, 27.723, 230.329.

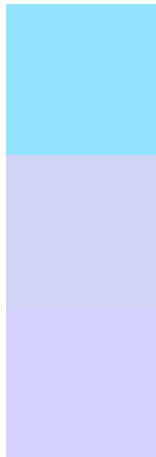


This preview shows how white text looks on a background with the CIELCh color 86, 27.723, 230.329.

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

86, 27.723, 230.329

Protanopia

86, 17.357, 288.296

Deuteranopia

86, 23.712, 294.548

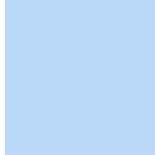


Tritanopia
86, 27.078, 218.438

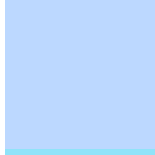
Trichromacy



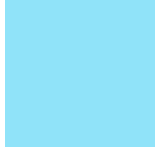
Original Color
86, 27.723, 230.329



Protanomaly
85, 18.854, 259.216

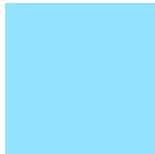


Deuteranomaly
86, 22.083, 267.866

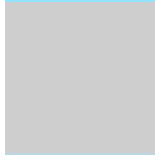


Tritanomaly
86, 27.111, 223.362

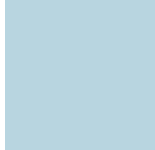
Monochromacy



Original Color
86, 27.723, 230.329



Achromatopsia
83, 0.010, 296.813



Achromatomaly
84, 11.326, 229.811

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 27.723, 230.329 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(146, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(146, 227, 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(146, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 227, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 27.723, 230.329 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(146, 227, 255) }
```

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

```
.border{ border-color:rgb(146, 227, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(146, 227, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(146, 227, 255); box-shadow:4px 4px 4px 4px rgb(146, 227, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 27.723, 230.329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 227, 255) }
```

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

```
.background{ background-color: rgb(146,  
227, 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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