

Converting Colors

CIELCh(87, 37.464, 247.955)

Have a look what the booklet for
CIELCh(87, 37.464, 247.955)
contains.

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Color

CIELCh(86, 30.678, 224.429)

Conversions

Conversions Part 1

Format	Color
Hex	84E5FF
RGB	132, 229, 255
RGB Percent	52%, 90%, 100%
CMY	0.4834, 0.1029, 0.0010
CMYK	0.48, 0.10, 0.00, 0.00
HSL	193°, 100%, 76%
HSV	193°, 48%, 100%
XYZ	55.4332, 67.9871, 104.5920
YIQ	202.9610, -66.1580, -12.4780

Conversions

Conversions Part 2

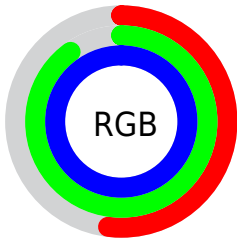
Format	Color
R_{YB}	132, 186, 255
Decimal	8709631
CIE _{Lab}	86.00, -21.91, -21.48
CIE _{LCh}	86, 30.678, 224.429
Yxy	67.9871, 0.2431, 0.2982
Android (android.graphics.Color)	4286899711 (0xFF84E5FF)
YUV	202.9610, 25.6552, -62.2328
Hunter-Lab	82.4543, -24.2913, -17.4905

Details

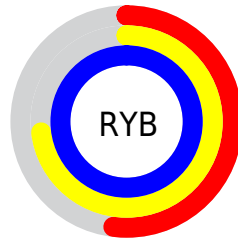
The CIELCh color **86, 30.678, 224.429** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **74, 44.143, 40.791**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 20.805, 198.137**, and **66, 30.574, 224.674** is the 20% darker color. If you saturate the color by 10%, you get **84, 35.053, 226.065**, and if you desaturate by 10%, it is **89, 25.489, 223.186**.

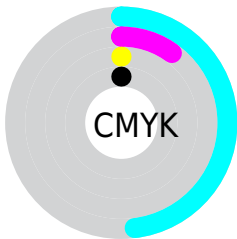
Distribution



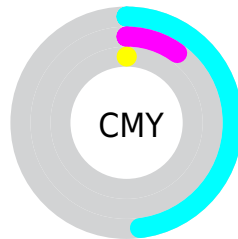
- Red (52%)
- Green (90%)
- Blue (100%)



- Red (52%)
- Yellow (73%)
- Blue (100%)



- Cyan (48%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)





- Cyan (48%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 30.678, 224.429 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, 30.678, 224.429 by changing the saturation by 10% instead.


 86, 30.678,
224.429


 86, 30.678,
224.429


 100, 30.678,
224.429


 76, 30.678,
224.429

 66, 30.678,
224.429

 56, 30.678,
224.429

 46, 30.678,
224.429

 36, 30.678,
224.429

 26, 30.678,
224.429

 16, 30.678,

224.429

■ 6, 30.678, 224.429

■ 0, 30.678, 224.429

■ 86, 30.678,
224.429

■ 86, 30.678,
224.429

■ 84, 35.053,
226.065

■ 89, 25.489,
223.186

■ 81, 38.550,
228.187

■ 91, 19.587,
222.265

■ 79, 41.160,
230.884

■ 94, 13.084,
221.604

■ 77, 42.953,
234.228

■ 97, 6.092, 221.182

100, 0.118,
109.515

■ 76, 44.123,

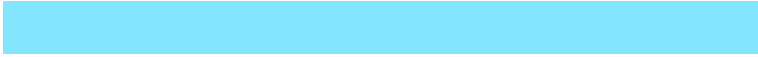
238.221

■ 75, 44.309,
238.932

Harmonies

Complementary

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



86, 30.678, 224.429



74, 44.143, 40.791

Rectangle

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



86, 30.678, 224.429



86, 30.678, 274.429



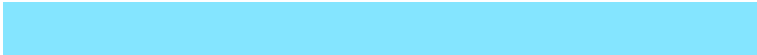
86, 30.678, 44.429



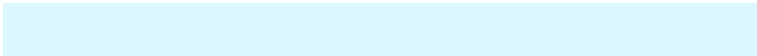
86, 30.678, 94.429

Sweetspot

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



86, 30.677, 224.427



96, 10.151, 221.392



91, 65.887, 146.200



50, 6.965, 221.494



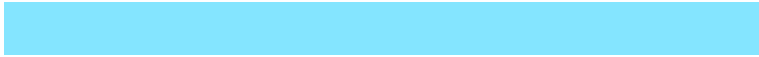
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



86, 30.677, 224.427



84, 34.969, 226.013



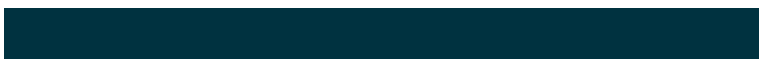
70, 47.735, 282.368



52, 4.172, 221.218



58, 35.628, 238.139



19, 16.191, 232.587

Inverse Universe

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



72, 65.295, 334.228



67, 76.437, 334.979



88, 46.954, 87.360



50, 7.820, 331.501



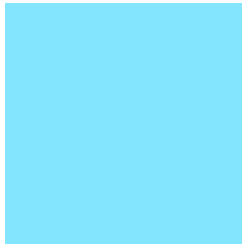
43, 79.015, 338.886



11, 37.045, 337.337

Previews

White Background



This preview shows how the CIE LCh color 86, 30.678, 224.429 looks on a white background.

Color Contrast Check

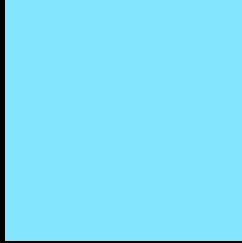
Large Text (above 18pt) WCAG AA × Fail

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, 30.678, 224.429 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, 30.678, 224.429

Background



This preview shows how black text looks on a background with the CIELCh color 86, 30.678, 224.429.




This preview shows how white text looks on a background with the CIELCh color 86, 30.678, 224.429.

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
86, 30.453, 215.856

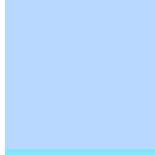
Trichromacy



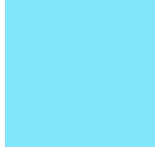
Original Color
86, 30.678, 224.429



Protanomaly
85, 19.423, 253.537



Deuteranomaly
85, 22.356, 262.843

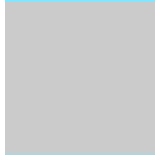


Tritanomaly
86, 30.397, 218.043

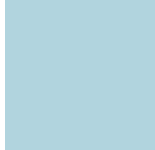
Monochromacy



Original Color
86, 30.678, 224.429



Achromatopsia
82, 0.010, 296.813



Achromatomaly
83, 12.846, 223.108

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 30.678, 224.429 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(132, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(132, 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(132, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 229, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 30.678, 224.429 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(132, 229, 255) }
```

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

```
.border{ border-color:rgb(132, 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(132, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(132, 229,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 30.678, 224.429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 229, 255) }
```

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

```
.background{ background-color: rgb(132,  
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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