

Converting Colors

CIELCh(85, 29.880, 229.804)

Have a look what the booklet for
CIELCh(85, 29.880, 229.804)
contains.

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Color

CIELCh(85, 29.758, 229.038)

Conversions

Conversions Part 1

Format	Color
Hex	87E1FE
RGB	135, 225, 254
RGB Percent	53%, 88%, 100%
CMY	0.4714, 0.1185, 0.0048
CMYK	0.47, 0.11, 0.00, 0.00
HSL	195°, 98%, 76%
HSV	195°, 47%, 100%
XYZ	54.6760, 66.0070, 103.4389
YIQ	201.3960, -62.9490, -10.0610

Conversions

Conversions Part 2

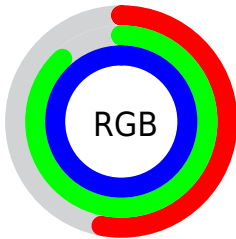
Format	Color
R _Y B	135, 186, 254
Decimal	8905214
CIE Lab	85.00, -19.51, -22.47
CIE LCh	85, 29.758, 229.038
Yxy	66.0070, 0.2440, 0.2945
Android (android.graphics.Color)	4287095294 (0xFF87E1FE)
YUV	201.3960, 25.9338, -58.2293
Hunter-Lab	81.2447, -22.0514, -18.6153

Details

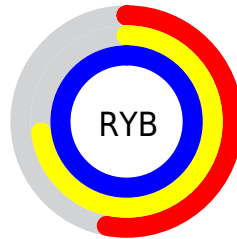
The CIELCh color **85, 29.758, 229.038** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **76, 41.772, 43.700**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 19.913, 198.193**, and **65, 29.717, 228.207** is the 20% darker color. If you saturate the color by 10%, you get **82, 34.336, 230.921**, and if you desaturate by 10%, it is **88, 24.438, 227.582**.

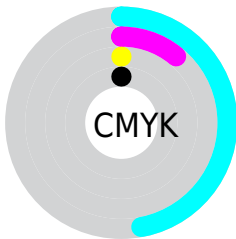
Distribution



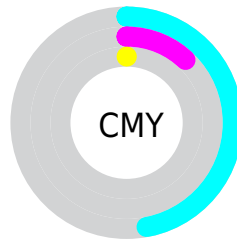
- Red (53%)
- Green (88%)
- Blue (100%)



- Red (53%)
- Yellow (73%)
- Blue (100%)



- Cyan (47%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)





- Cyan (47%)
- Magenta (12%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 29.758, 229.038 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 85, 29.758, 229.038 by changing the saturation by 10% instead.


 85, 29.758,
229.038

 85, 29.758,
229.038


 100, 29.758,
229.038


 75, 29.758,
229.038

 65, 29.758,
229.038

 55, 29.758,
229.038

 45, 29.758,
229.038

 35, 29.758,
229.038

 25, 29.758,
229.038

 15, 29.758,

229.038

■ 5, 29.758, 229.038

■ 0, 29.758, 229.038

■ 85, 29.758,
229.038

■ 85, 29.758,
229.038

■ 82, 34.336,
230.921

■ 88, 24.438,
227.582

■ 80, 38.114,
233.330

■ 91, 18.471,
226.477

■ 77, 41.085,
236.356

■ 94, 11.959,
225.655

■ 75, 43.326,
240.072

■ 97, 5.004, 225.103

■ 73, 45.012,

100, 0.607,
110.005

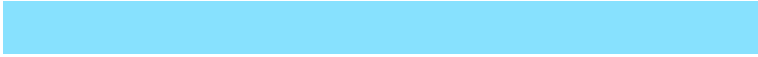
244.480

■ 73, 45.505,
245.915

Harmonies

Complementary

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



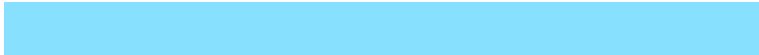
85, 29.758, 229.038



76, 41.772, 43.700

Rectangle

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



85, 29.758, 229.038



85, 29.758, 279.038



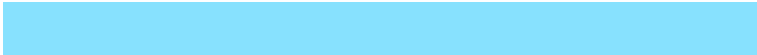
85, 29.758, 49.038



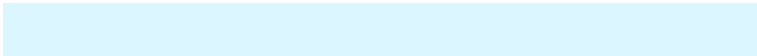
85, 29.758, 99.038

Sweetspot

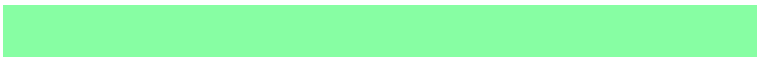
The Sweet Spot groups the original color and five complimentary colors.



85, 29.757, 229.036



95, 10.028, 225.465



91, 62.344, 147.492



50, 6.883, 225.605



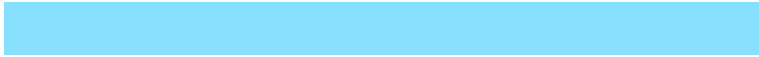
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



85, 29.757, 229.036



83, 34.090, 230.736



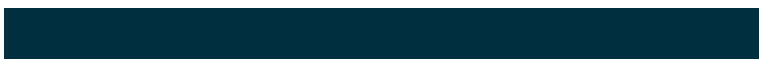
69, 48.242, 284.230



51, 4.119, 225.214



56, 36.622, 245.044



18, 16.424, 238.795

Inverse Universe

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



72, 62.039, 335.455



68, 72.714, 336.218



89, 46.635, 90.102



50, 7.642, 332.692



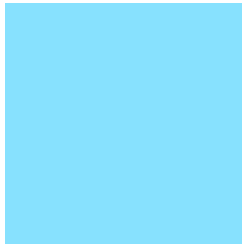
43, 77.193, 340.973



11, 36.270, 339.075

Previews

White Background



This preview shows how the CIELCh color 85, 29.758, 229.038 looks on a white background.

Color Contrast Check

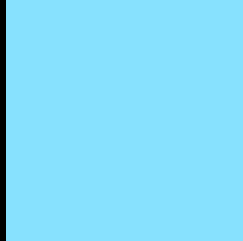
Large Text (above 18pt) WCAG AA × Fail

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 85, 29.758, 229.038 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 85, 29.758, 229.038

Background



This preview shows how black text looks on a background with the CIELCh color 85, 29.758, 229.038.



This preview shows how white text looks on a background with the CIELCh color 85, 29.758, 229.038.

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](#).

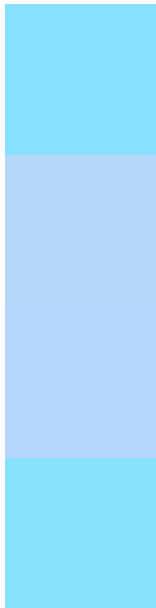
Dichromacy





Tritanopia
85, 29.207, 217.904

Trichromacy



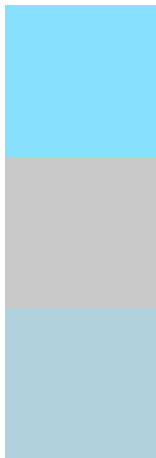
Original Color
85, 29.758, 229.038

Protanomaly
84, 20.516, 257.294

Deuteranomaly
84, 23.882, 267.686

Tritanomaly
85, 29.305, 221.236

Monochromacy



Original Color
85, 29.758, 229.038

Achromatopsia
81, 0.010, 296.813

Achromatomaly
82, 12.278, 224.395

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 29.758, 229.038 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(135, 225, 254)` looks like.

```
.text, #text, p{  
    color:rgb(135, 225, 254)  
}
```

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(135, 225, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 225, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 29.758, 229.038 is called "border". The border property can be set on classes, ids or directly on the HTML element.

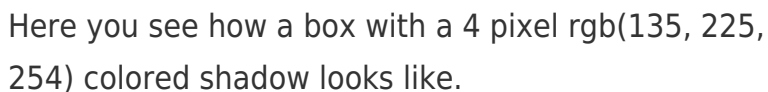
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 225, 254) }
```

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

```
.border{ border-color:rgb(135, 225, 254) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 225, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 225, 254); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 225, 254); box-shadow:4px 4px 4px 4px rgb(135, 225, 254) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 29.758, 229.038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 225, 254) }
```

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

```
.background{ background-color: rgb(135,  
225, 254) }
```

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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