

Converting Colors

CIELCh(87, 68.624, 279.852)

Have a look what the booklet for
CIELCh(87, 68.624, 279.852)
contains.

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Color

CIELCh(83, 29.724, 239.687)

Conversions

Conversions Part 1

Format	Color
Hex	89D9FE
RGB	137, 217, 254
RGB Percent	54%, 85%, 100%
CMY	0.4624, 0.1486, 0.0036
CMYK	0.46, 0.15, 0.00, 0.00
HSL	199°, 98%, 77%
HSV	199°, 46%, 100%
XYZ	53.0689, 62.1629, 103.0295
YIQ	197.2980, -59.5570, -5.4530

Conversions

Conversions Part 2

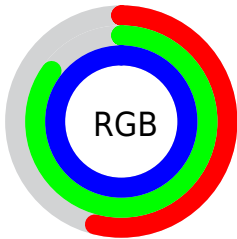
Format	Color
R _Y B	137, 185, 254
Decimal	9034238
CIE Lab	83.00, -15.00, -25.66
CIE LCh	83, 29.724, 239.687
Yxy	62.1629, 0.2431, 0.2848
Android (android.graphics.Color)	4287224318 (0xFF89D9FE)
YUV	197.2980, 27.9541, -52.8813
Hunter-Lab	78.8435, -17.8293, -22.2874

Details

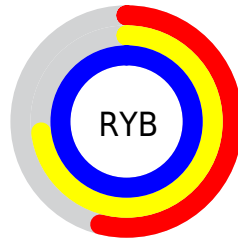
The CIELCh color **83, 29.724, 239.687** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **78, 39.768, 50.748**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 19.614, 198.212**, and **63, 29.689, 239.616** is the 20% darker color. If you saturate the color by 10%, you get **80, 34.785, 242.103**, and if you desaturate by 10%, it is **86, 24.076, 237.758**.

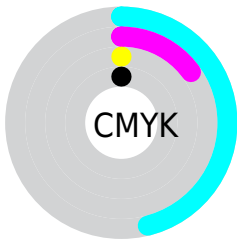
Distribution



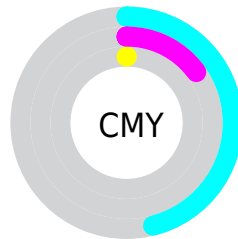
- Red (54%)
- Green (85%)
- Blue (100%)



- Red (54%)
- Yellow (73%)
- Blue (100%)



- Cyan (46%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (46%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 29.724, 239.687 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 83, 29.724, 239.687 by changing the saturation by 10% instead.


 83, 29.724,
239.687


 83, 29.724,
239.687


 100, 29.724,
239.687


 73, 29.724,
239.687

 63, 29.724,
239.687

 53, 29.724,
239.687

 43, 29.724,
239.687

 33, 29.724,
239.687

 23, 29.724,
239.687

 13, 29.724,

239.687

■ 3, 29.724, 239.687

■ 0, 29.724, 239.687

■ 83, 29.724,
239.687

■ 83, 29.724,
239.687

■ 80, 34.785,
242.103

■ 86, 24.076,
237.758

■ 77, 39.228,
245.105

■ 90, 17.911,
236.232

■ 74, 43.073,
248.767

■ 94, 11.309,
235.037

■ 71, 46.421,
253.124

■ 97, 4.352, 234.159

100, 0.458,

■ 68, 49.461,

109.975

258.111

■ 68, 50.666,
260.143

Harmonies

Complementary

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



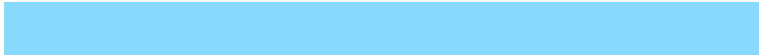
83, 29.724, 239.687



78, 39.768, 50.748

Rectangle

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



83, 29.724, 239.687



83, 29.724, 289.687



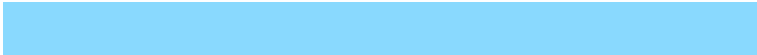
83, 29.724, 59.687



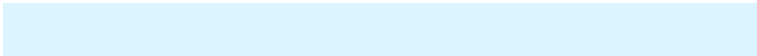
83, 29.724, 109.687

Sweetspot

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



83, 29.723, 239.685



95, 9.940, 234.829



91, 58.282, 150.003



50, 6.829, 235.049



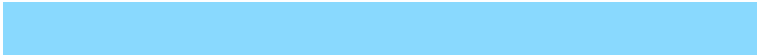
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



83, 29.723, 239.685



80, 34.383, 241.827



68, 51.655, 287.970



51, 4.075, 234.417



52, 40.541, 259.177



16, 17.576, 252.034

Inverse Universe

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



72, 58.226, 338.610



68, 68.351, 339.513



92, 48.447, 94.871



50, 7.257, 335.572



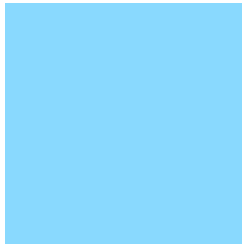
42, 73.577, 346.139



11, 34.683, 343.341

Previews

White Background



This preview shows how the CIELCh color 83, 29.724, 239.687 looks on a white background.

Color Contrast Check

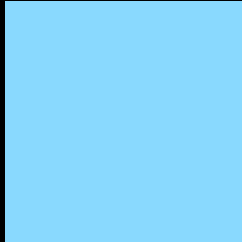
Large Text (above 18pt) WCAG AA × Fail

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 83, 29.724, 239.687 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 83, 29.724, 239.687

Background



This preview shows how black text looks on a background with the CIELCh color 83, 29.724, 239.687.




This preview shows how white text looks on a background with the CIELCh color 83, 29.724, 239.687.

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](#).

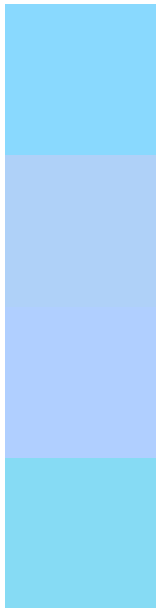
Dichromacy





Tritanopia
83, 27.758, 217.984

Trichromacy



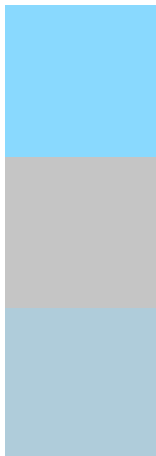
Original Color
83, 29.727, 239.724

Protanomaly
83, 22.934, 263.750

Deuteranomaly
82, 26.854, 271.125

Tritanomaly
83, 28.013, 226.312

Monochromacy



Original Color
83, 29.727, 239.724

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 12.192, 236.693

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 29.724, 239.687 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(137, 217, 254)` looks like.

```
.text, #text, p{  
    color:rgb(137, 217, 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(137, 217, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 217, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 29.724, 239.687 is called "border". The border property can be set on classes, ids or directly on the HTML element.

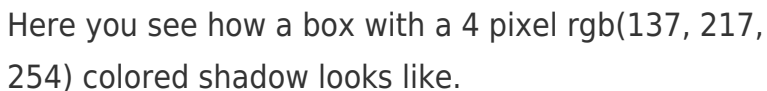
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 217, 254) }
```

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

```
.border{ border-color:rgb(137, 217, 254) }
```

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



Here you see how a box with a 4 pixel `rgb(137, 217, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 217, 254); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 217, 254); box-shadow:4px 4px 4px 4px rgb(137, 217, 254) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 29.724, 239.687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 217, 254) }
```

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

```
.background{ background-color: rgb(137,  
217, 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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