

Converting Colors

CIELCh(85, 51.625, 270.693)

Have a look what the booklet for
CIELCh(85, 51.625, 270.693)
contains.

CIELCh(83, 30.184, 240.313)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(83, 30.184, 240.313)

Conversions

Conversions Part 1

Format	Color
Hex	88D9FF
RGB	136, 217, 255
RGB Percent	53%, 85%, 100%
CMY	0.4661, 0.1485, 0.0000
CMYK	0.47, 0.15, 0.00, 0.00
HSL	199°, 100%, 77%
HSV	199°, 47%, 100%
XYZ	53.0895, 62.1629, 103.9167
YIQ	197.1130, -60.4740, -5.3540

Conversions

Conversions Part 2

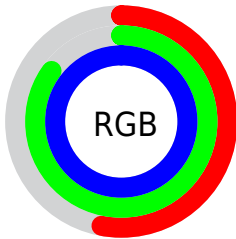
Format	Color
R_{YB}	136, 184, 255
Decimal	8968703
CIE Lab	83.00, -14.95, -26.22
CIE LCh	83, 30.184, 240.313
Yxy	62.1629, 0.2422, 0.2836
Android (android.graphics.Color)	4287158783 (0xFF88D9FF)
YUV	197.1130, 28.5383, -53.5961
Hunter-Lab	78.8435, -17.7825, -22.9545

Details

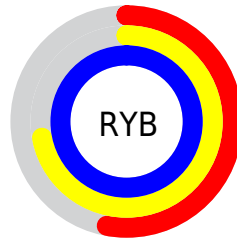
The CIELCh color **83, 30.184, 240.313** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **78, 40.435, 50.987**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 19.913, 198.193**, and **63, 30.108, 240.356** is the 20% darker color. If you saturate the color by 10%, you get **80, 35.209, 242.662**, and if you desaturate by 10%, it is **86, 24.500, 238.226**.

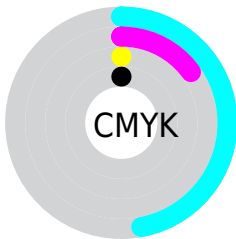
Distribution



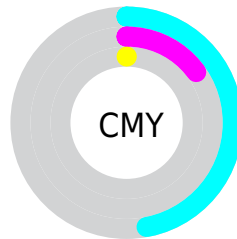
- Red (53%)
- Green (85%)
- Blue (100%)



- Red (53%)
- Yellow (72%)
- Blue (100%)



- Cyan (47%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)





- Cyan (47%)
- Magenta (15%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 30.184, 240.313 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, 30.184, 240.313 by changing the saturation by 10% instead.


 83, 30.184,
240.313


 83, 30.184,
240.313


 100, 30.184,
240.313


 73, 30.184,
240.313

 63, 30.184,
240.313

 53, 30.184,
240.313

 43, 30.184,
240.313

 33, 30.184,
240.313

 23, 30.184,
240.313

 13, 30.184,

240.313

■ 3, 30.184, 240.313

■ 0, 30.184, 240.313

■ 83, 30.184,
240.313

■ 83, 30.184,
240.313

■ 80, 35.209,
242.662

■ 86, 24.500,
238.226

■ 77, 39.656,
245.718

■ 90, 18.335,
236.665

■ 74, 43.516,
249.440

■ 94, 11.731,
235.439

■ 71, 46.895,
253.853

■ 97, 4.769, 234.527

■ 68, 49.988,

100, 0.012,
296.813

258.881

■ 68, 51.047,
260.619

Harmonies

Complementary

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



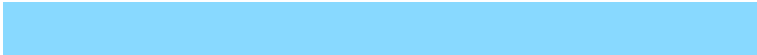
83, 30.184, 240.313



78, 40.435, 50.987

Rectangle

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



83, 30.184, 240.313



83, 30.184, 290.313



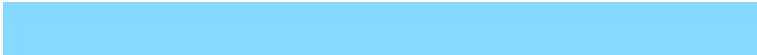
83, 30.184, 60.313



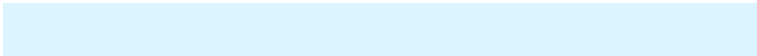
83, 30.184, 110.313

Sweetspot

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



83, 30.147, 240.196



95, 9.941, 235.168



92, 58.358, 150.568



50, 6.831, 235.390



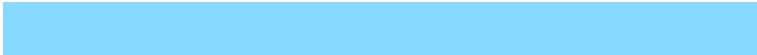
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



83, 30.147, 240.196



80, 34.915, 242.495



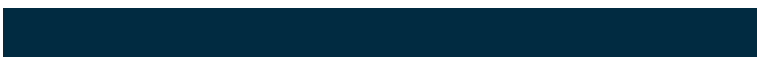
67, 53.622, 288.994



51, 4.075, 234.751



52, 40.722, 259.642



16, 17.633, 252.484

Inverse Universe

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



72, 58.959, 338.789



68, 69.274, 339.749



92, 49.879, 95.877



50, 7.243, 335.682



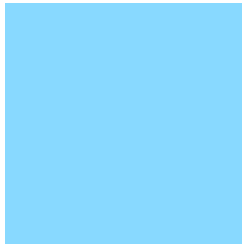
42, 73.460, 346.338



11, 34.630, 343.505

Previews

White Background



This preview shows how the CIELCh color 83, 30.184, 240.313 looks on a white background.

Color Contrast Check

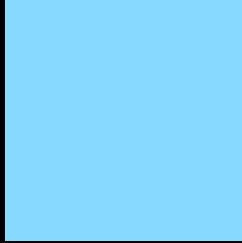
Large Text (above 18pt) WCAG AA × Fail

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, 30.184, 240.313 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

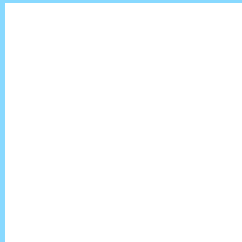
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 30.184, 240.313

Background



This preview shows how black text looks on a background with the CIELCh color 83, 30.184, 240.313.



This preview shows how white text looks on a background with the CIELCh color 83, 30.184, 240.313.

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, 27.983, 217.801

Trichromacy



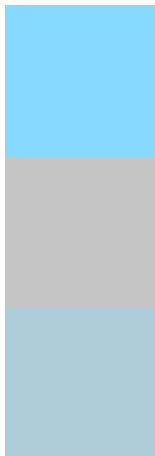
Original Color
83, 30.184, 240.313

Protanomaly
83, 23.387, 264.458

Deuteranomaly
83, 26.451, 269.988

Tritanomaly
83, 28.224, 226.069

Monochromacy



Original Color
83, 30.184, 240.313

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, 30.184, 240.313 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(136, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(136, 217, 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(136, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 217, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 30.184, 240.313 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(136, 217, 255) }
```

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

```
.border{ border-color:rgb(136, 217, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 217, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 217, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 217, 255);  
box-shadow:4px 4px 4px 4px rgb(136, 217,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 30.184, 240.313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 217, 255) }
```

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

```
.background{ background-color: rgb(136,  
217, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor