

Converting Colors

CIELCh(84, 30.915, 247.511)

Have a look what the booklet for
CIELCh(84, 30.915, 247.511)
contains.

CIELCh(84, 28.529, 240.371)	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(84, 28.529, 240.371)

Conversions

Conversions Part 1

Format	Color
Hex	90DBFF
RGB	144, 219, 255
RGB Percent	56%, 86%, 100%
CMY	0.4338, 0.1397, 0.0000
CMYK	0.43, 0.14, 0.00, 0.00
HSL	199°, 100%, 78%
HSV	199°, 43%, 100%
XYZ	55.1085, 64.0658, 104.3935
YIQ	200.6790, -56.2560, -4.7040

Conversions

Conversions Part 2

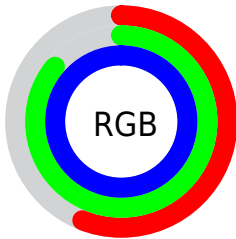
Format	Color
R_{YB}	144, 189, 255
Decimal	9493503
CIE _{Lab}	84.00, -14.10, -24.80
CIE _{LCh}	84, 28.529, 240.371
Yxy	64.0658, 0.2465, 0.2866
Android (android.graphics.Color)	4287683583 (0xFF90DBFF)
YUV	200.6790, 26.7803, -49.7075
Hunter-Lab	80.0411, -17.1742, -21.3001

Details

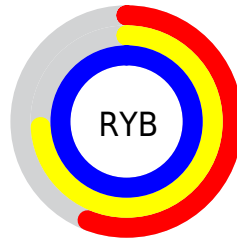
The CIELCh color **84, 28.529, 240.371** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **80, 37.133, 51.477**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 17.489, 198.347**, and **64, 28.527, 240.100** is the 20% darker color. If you saturate the color by 10%, you get **81, 33.700, 242.326**, and if you desaturate by 10%, it is **87, 22.579, 238.161**.

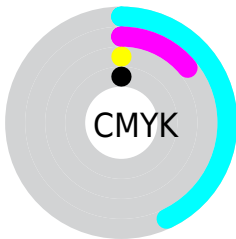
Distribution



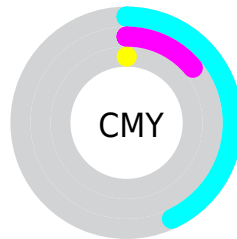
- Red (56%)
- Green (86%)
- Blue (100%)



- Red (56%)
- Yellow (74%)
- Blue (100%)



- Cyan (43%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)





- Cyan (43%)
- Magenta (14%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 28.529, 240.371 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 84, 28.529, 240.371 by changing the saturation by 10% instead.


 84, 28.529,
240.371

 84, 28.529,
240.371


 100, 28.529,
240.371


 74, 28.529,
240.371

 64, 28.529,
240.371

 54, 28.529,
240.371

 44, 28.529,
240.371

 34, 28.529,
240.371

 24, 28.529,
240.371

 14, 28.529,

240.371

■ 4, 28.529, 240.371

■ 0, 28.529, 240.371

■ 84, 28.529,
240.371

■ 84, 28.529,
240.371

■ 81, 33.700,
242.326

■ 87, 22.579,
238.161

■ 77, 38.380,
245.205

■ 91, 16.251,
236.698

■ 74, 42.467,
248.728

■ 95, 9.516, 235.553

■ 72, 46.041,
252.940

■ 99, 2.453, 234.803

100, 0.012,
296.813

■ 69, 49.268,

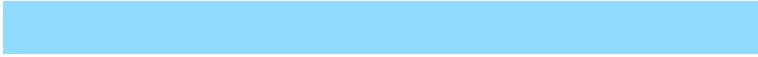
257.803

■ 67, 51.363,
261.229

Harmonies

Complementary

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



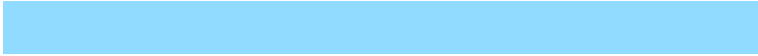
84, 28.529, 240.371



80, 37.133, 51.477

Rectangle

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



84, 28.529, 240.371



84, 28.529, 290.371



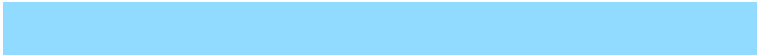
84, 28.529, 60.371



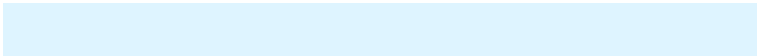
84, 28.529, 110.371

Sweetspot

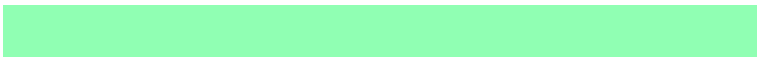
The Sweet Spot groups the original color and five complimentary colors.



84, 28.419, 240.009



95, 9.253, 235.516



92, 54.530, 150.976



50, 6.445, 235.740



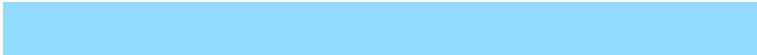
0, 0.000, 0.000



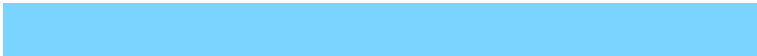
53, 0.007, 296.813

Same Dimension

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



84, 28.419, 240.009



81, 33.007, 241.975



69, 49.616, 288.272



51, 4.076, 235.192



51, 40.965, 260.252



16, 17.710, 253.074

Inverse Universe

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



74, 55.022, 338.641



70, 64.889, 339.495



93, 46.499, 96.273



50, 7.226, 335.827



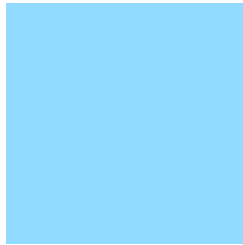
42, 73.307, 346.602



11, 34.561, 343.722

Previews

White Background



This preview shows how the CIE LCh color 84, 28.529, 240.371 looks on a white background.

Color Contrast Check

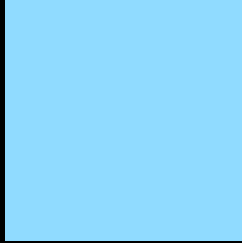
Large Text (above 18pt) WCAG AA × Fail

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 84, 28.529, 240.371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

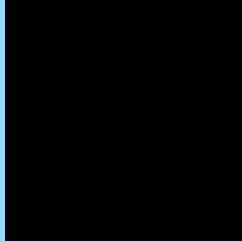
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

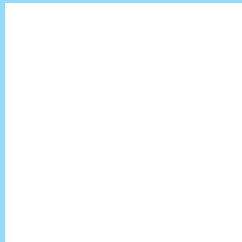
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 28.529, 240.371

Background



This preview shows how black text looks on a background with the CIELCh color 84, 28.529, 240.371.

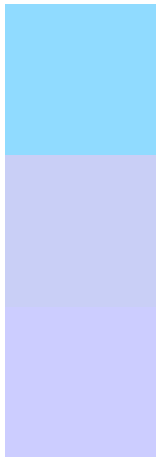


This preview shows how white text looks on a background with the CIELCh color 84, 28.529, 240.371.

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
84, 28.529, 240.371

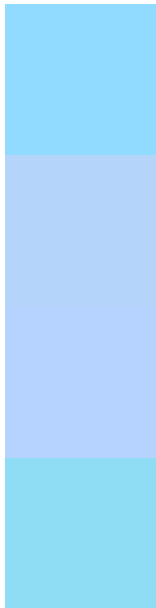
Protanopia
84, 20.643, 286.391

Deuteranopia
84, 26.413, 291.704



Tritanopia
84, 26.377, 219.140

Trichromacy



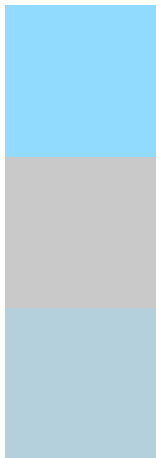
Original Color
84, 28.529, 240.371

Protanomaly
84, 21.719, 263.614

Deuteranomaly
84, 25.055, 271.429

Tritanomaly
84, 26.546, 226.726

Monochromacy



Original Color
84, 28.529, 240.371

Achromatopsia
81, 0.010, 296.813

Achromatomaly
82, 11.613, 235.434

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 28.529, 240.371 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(144, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(144, 219, 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(144, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 219, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 28.529, 240.371 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(144, 219, 255) }
```

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

```
.border{ border-color:rgb(144, 219, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 219, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(144, 219,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 28.529, 240.371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 219, 255) }
```

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

```
.background{ background-color: rgb(144,  
219, 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