

Converting Colors

CIELCh(84, 29.508, 218.603)

Have a look what the booklet for
CIELCh(84, 29.508, 218.603)
contains.

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Color

CIELCh(84, 29.503, 218.839)

Conversions

Conversions Part 1

Format	Color
Hex	80DFF3
RGB	128, 223, 243
RGB Percent	50%, 87%, 95%
CMY	0.4966, 0.1241, 0.0457
CMYK	0.47, 0.08, 0.00, 0.05
HSL	190°, 83%, 73%
HSV	190°, 47%, 95%
XYZ	51.6633, 64.0658, 94.7105
YIQ	196.8750, -63.0400, -13.9200

Conversions

Conversions Part 2

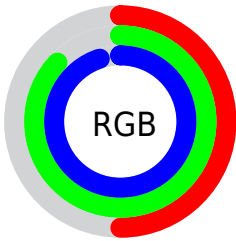
Format	Color
R _Y B	128, 180, 243
Decimal	8445939
CIE Lab	84.00, -22.98, -18.50
CIE LCh	84, 29.503, 218.839
Yxy	64.0658, 0.2455, 0.3044
Android (android.graphics.Color)	4286636019 (0xFF80DFF3)
YUV	196.8750, 22.7396, -60.4034
Hunter-Lab	80.0411, -24.8574, -14.1275

Details

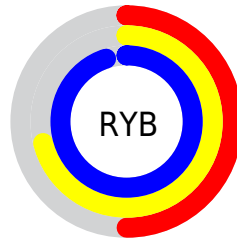
The CIELCh color **84, 29.503, 218.839** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **71, 42.388, 37.475**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 21.978, 198.063**, and **64, 29.625, 218.472** is the 20% darker color. If you saturate the color by 10%, you get **82, 33.772, 220.048**, and if you desaturate by 10%, it is **86, 24.407, 217.951**.

Distribution



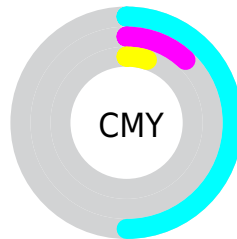
- Red (50%)
- Green (87%)
- Blue (95%)



- Red (50%)
- Yellow (71%)
- Blue (95%)



- Cyan (47%)
- Magenta (8%)
- Yellow (0%)
- Black (5%)



- Cyan (50%)
- Magenta (12%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 29.503, 218.839 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, 29.503, 218.839 by changing the saturation by 10% instead.

■ 84, 29.503,
218.839

■ 84, 29.503,
218.839

■ 100, 29.503,
218.839

■ 74, 29.503,
218.839

■ 64, 29.503,
218.839

■ 54, 29.503,
218.839

■ 44, 29.503,
218.839

■ 34, 29.503,
218.839

■ 24, 29.503,
218.839

■ 14, 29.503,

218.839

■ 4, 29.503, 218.839

■ 0, 29.503, 218.839

■ 84, 29.503,
218.839

■ 84, 29.503,
218.839

■ 82, 33.772,
220.048

■ 86, 24.407,
217.951

■ 80, 37.137,
221.657

■ 89, 18.590,
217.328

■ 78, 39.569,
223.740

■ 91, 12.170,
216.922

■ 77, 41.112,
226.372

■ 94, 5.260, 216.728

■ 75, 41.911,

■ 97, 2.033, 36.158

229.588

98, 3.510, 70.633

75, 42.077,
230.526

99, 4.923, 101.390

100, 5.897,
109.724

Harmonies

Complementary

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



84, 29.503, 218.839



71, 42.388, 37.475

Rectangle

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



84, 29.503, 218.839



84, 29.503, 268.839



84, 29.503, 38.839



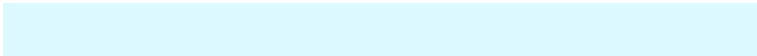
84, 29.503, 88.839

Sweetspot

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



84, 29.502, 218.837



96, 10.354, 216.833



88, 63.767, 145.276



51, 7.103, 216.890



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, 29.502, 218.837



85, 34.945, 220.033



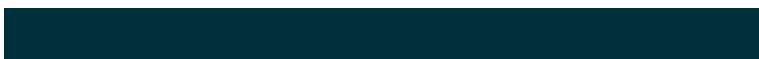
68, 42.976, 279.678



50, 4.117, 216.746



59, 34.396, 229.889



18, 15.295, 224.883

Inverse Universe

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



69, 63.292, 332.683



68, 77.274, 333.365



84, 43.208, 84.831



48, 7.765, 330.189



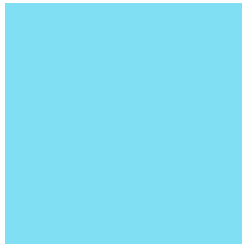
42, 79.657, 336.617



10, 36.044, 335.320

Previews

White Background



This preview shows how the CIE LCh color 84, 29.503, 218.839 looks on a white background.

Color Contrast Check

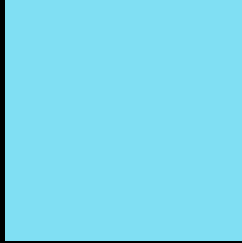
Large Text (above 18pt) WCAG AA × Fail

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, 29.503, 218.839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

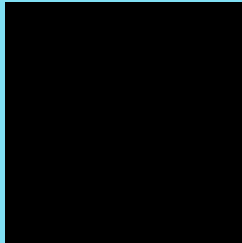
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 29.503, 218.839

Background



This preview shows how black text looks on a background with the CIELCh color 84, 29.503, 218.839.

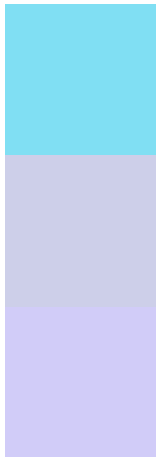


This preview shows how white text looks on a background with the CIELCh color 84, 29.503, 218.839.

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, 29.503, 218.839

Protanopia
84, 13.738, 288.492

Deuteranopia
84, 23.358, 296.246

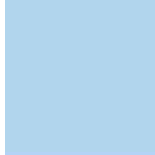


Tritanopia
84, 29.550, 216.556

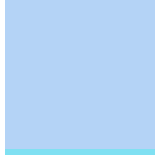
Trichromacy



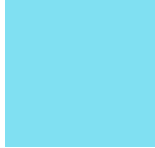
Original Color
84, 29.503, 218.839



Protanomaly
83, 17.016, 247.266



Deuteranomaly
83, 20.699, 262.822

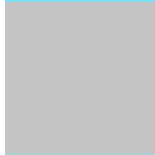


Tritanomaly
84, 29.550, 216.556

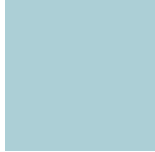
Monochromacy



Original Color
84, 29.503, 218.839



Achromatopsia
80, 0.010, 296.813



Achromatomaly
81, 12.441, 216.108

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 29.503, 218.839 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(128, 223, 243)` looks like.

```
.text, #text, p{  
    color:rgb(128, 223, 243)  
}
```

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(128, 223, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 223, 243) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 29.503, 218.839 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(128, 223, 243) }
```

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

```
.border{ border-color:rgb(128, 223, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 223, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 223, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 223, 243);  
box-shadow:4px 4px 4px 4px rgb(128, 223,  
243) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 29.503, 218.839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 223, 243) }
```

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

```
.background{ background-color: rgb(128,  
223, 243) }
```

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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