

Converting Colors

CIELCh(84, 29.479, 188.647)

Have a look what the booklet for
CIELCh(84, 29.479, 188.647)
contains.

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Color

CIELCh(84, 29.412, 189.083)

Conversions

Conversions Part 1

Format	Color
Hex	86E1D9
RGB	134, 225, 217
RGB Percent	53%, 88%, 85%
CMY	0.4737, 0.1168, 0.1482
CMYK	0.40, 0.00, 0.04, 0.12
HSL	175°, 60%, 70%
HSV	175°, 40%, 88%
XYZ	49.3945, 64.0658, 75.5455
YIQ	196.8790, -51.6680, -21.7800

Conversions

Conversions Part 2

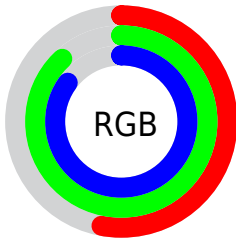
Format	Color
RYB	134, 182, 225
Decimal	8839641
CIELab	84.00, -29.04, -4.64
CIElCh	84, 29.412, 189.083
Yxy	64.0658, 0.2613, 0.3390
Android (android.graphics.Color)	4287029721 (0xFF86E1D9)
YUV	196.8790, 9.9197, -55.1449
Hunter-Lab	80.0411, -29.9171, 0.0688

Details

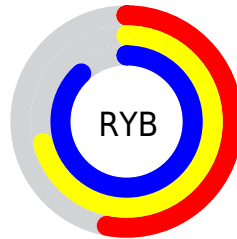
The CIELCh color **84, 29.412, 189.083** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **66, 37.320, 16.824**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 20.805, 198.137**, and **64, 29.349, 189.218** is the 20% darker color. If you saturate the color by 10%, you get **83, 35.086, 188.289**, and if you desaturate by 10%, it is **85, 22.967, 189.858**.

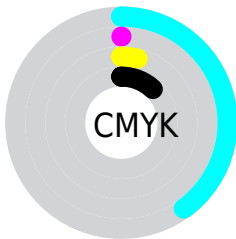
Distribution



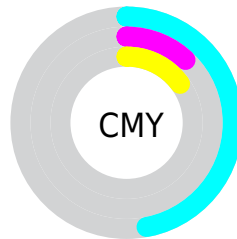
- Red (53%)
- Green (88%)
- Blue (85%)



- Red (53%)
- Yellow (71%)
- Blue (88%)



- Cyan (40%)
- Magenta (0%)
- Yellow (4%)
- Black (12%)



- Cyan (47%)
- Magenta (12%)
- Yellow (15%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 29.412, 189.083 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, 29.412, 189.083 by changing the saturation by 10% instead.


 84, 29.412,
189.083

 84, 29.412,
189.083


 100, 29.412,
189.083

 74, 29.412,
189.083

 64, 29.412,
189.083

 54, 29.412,
189.083

 44, 29.412,
189.083

 34, 29.412,
189.083

 24, 29.412,
189.083

 14, 29.412,

189.083

■ 4, 29.412, 189.083

■ 0, 29.412, 189.083

■ 84, 29.412,
189.083

■ 84, 29.412,
189.083

■ 83, 35.086,
188.289

■ 85, 22.967,
189.858

■ 82, 39.873,
187.470

■ 86, 15.882,
190.630

■ 82, 43.696,
186.611

■ 88, 8.293, 191.419

■ 81, 46.528,
185.694

■ 90, 0.329, 193.886

■ 91, 7.894, 12.769

■ 81, 48.410,

184.702

92, 11.008, 9.707

81, 49.511,
183.683

92, 11.209, 4.568

92, 11.499,
359.652

92, 11.872,
355.015

Harmonies

Complementary

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



84, 29.412, 189.083



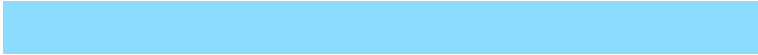
66, 37.320, 16.824

Rectangle

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



84, 29.412, 189.083



84, 29.412, 239.083



84, 29.412, 9.083



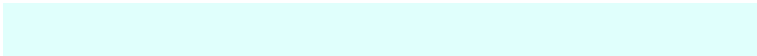
84, 29.412, 59.083

Sweetspot

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



84, 29.412, 189.081



98, 10.537, 191.283



83, 56.182, 139.079



52, 6.969, 191.178



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, 29.412, 189.081



93, 37.321, 188.455



74, 25.300, 250.185



46, 4.520, 191.499



65, 41.108, 183.871



17, 16.632, 185.771

Inverse Universe

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



66, 37.320, 16.824



69, 49.929, 18.381



74, 30.643, 59.889



44, 4.751, 12.832



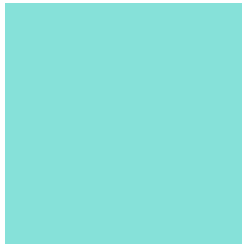
36, 75.466, 36.285



6, 25.363, 17.233

Previews

White Background



This preview shows how the CIE LCh color 84, 29.412, 189.083 looks on a white background.

Color Contrast Check

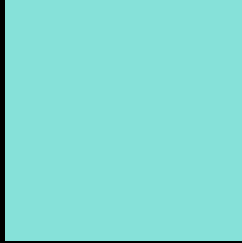
Large Text (above 18pt) WCAG AA × Fail

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, 29.412, 189.083 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

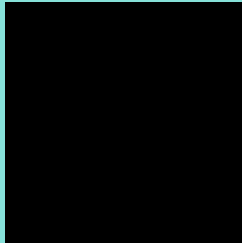
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

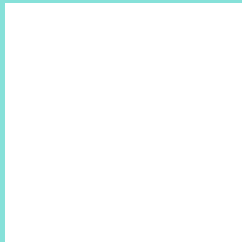
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 29.412, 189.083

Background



This preview shows how black text looks on a background with the CIELCh color 84, 29.412, 189.083.

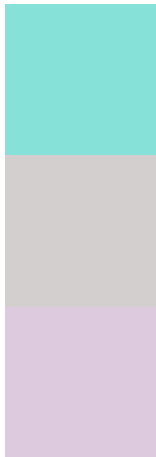


This preview shows how white text looks on a background with the CIELCh color 84, 29.412, 189.083.

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, 29.412, 189.083

Protanopia
84, 1.824, 19.231

Deuteranopia
83, 12.821, 324.914



Tritanopia
84, 26.377, 219.140

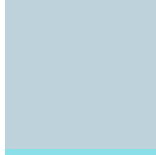
Trichromacy



Original Color
84, 29.412, 189.083



Protanomaly
83, 10.672, 190.120



Deuteranomaly
83, 8.613, 237.031

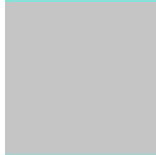


Tritanomaly
84, 26.574, 208.074

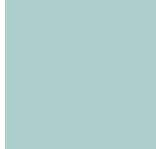
Monochromacy



Original Color
84, 29.412, 189.083



Achromatopsia
80, 0.010, 296.813



Achromatomaly
81, 11.729, 190.734

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 29.412, 189.083 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(134, 225, 217)` looks like.

```
.text, #text, p{  
    color:rgb(134, 225, 217)  
}
```

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(134, 225, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 225, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 29.412, 189.083 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(134, 225, 217) }
```

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

```
.border{ border-color:rgb(134, 225, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 225, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(134, 225, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(134, 225, 217); box-shadow:4px 4px 4px 4px rgb(134, 225, 217) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 29.412, 189.083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 225, 217) }
```

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

```
.background{ background-color: rgb(134,  
225, 217) }
```

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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