

Converting Colors

CIELCh(84, 28.523, 196.414)

Have a look what the booklet for
CIELCh(84, 28.523, 196.414)
contains.

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Color

CIELCh(84, 28.528, 196.414)

Conversions

Conversions Part 1

Format	Color
Hex	86E1E0
RGB	134, 225, 224
RGB Percent	53%, 88%, 88%
CMY	0.4759, 0.1190, 0.1229
CMYK	0.41, 0.00, 0.00, 0.12
HSL	179°, 60%, 70%
HSV	179°, 41%, 88%
XYZ	50.0156, 64.0658, 80.0059
YIQ	197.6770, -53.9150, -19.6030

Conversions

Conversions Part 2

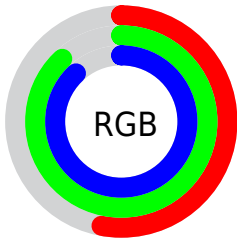
Format	Color
RYB	134, 180, 225
Decimal	8839648
CIELab	84.00, -27.37, -8.06
CIElCh	84, 28.528, 196.414
Yxy	64.0658, 0.2577, 0.3301
Android (android.graphics.Color)	4287029728 (0xFF86E1E0)
YUV	197.6770, 12.9772, -55.8447
Hunter-Lab	80.0411, -28.5320, -3.2352

Details

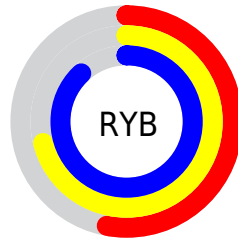
The CIELCh color **84, 28.528, 196.414** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **65, 37.847, 22.606**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 20.805, 198.137**, and **64, 28.313, 197.059** is the 20% darker color. If you saturate the color by 10%, you get **83, 33.802, 196.003**, and if you desaturate by 10%, it is **85, 22.426, 196.872**.

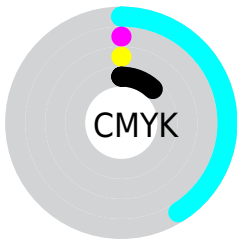
Distribution



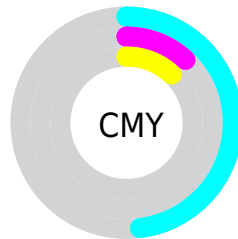
- Red (53%)
- Green (88%)
- Blue (88%)



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



- Cyan (41%)
- Magenta (0%)
- Yellow (0%)
- Black (12%)



- Cyan (48%)
- Magenta (12%)
- Yellow (12%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 28.528, 196.414 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, 28.528, 196.414 by changing the saturation by 10% instead.

 84, 28.528,
196.414

 84, 28.528,
196.414

 100, 28.528,
196.414

 74, 28.528,
196.414

 64, 28.528,
196.414

 54, 28.528,
196.414

 44, 28.528,
196.414

 34, 28.528,
196.414

 24, 28.528,
196.414

 14, 28.528,

196.414

■ 4, 28.528, 196.414

■ 0, 28.528, 196.414

■ 84, 28.528,
196.414

■ 84, 28.528,
196.414

■ 83, 33.802,
196.003

■ 85, 22.426,
196.872

■ 82, 38.147,
195.647

■ 86, 15.617,
197.385

■ 82, 41.502,
195.343

■ 88, 8.234, 197.960

■ 82, 43.855,
195.087

■ 89, 0.404, 199.947

■ 91, 7.755, 18.984

■ 81, 45.262,

194.872

92, 11.096, 18.863

81, 45.914,
194.693

92, 11.095, 18.209

92, 11.096, 17.555

92, 11.098, 16.902

Harmonies

Complementary

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



84, 28.528, 196.414



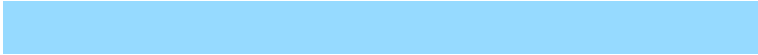
65, 37.847, 22.606

Rectangle

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



84, 28.528, 196.414



84, 28.528, 246.414



84, 28.528, 16.414



84, 28.528, 66.414

Sweetspot

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



84, 28.528, 196.411



98, 10.380, 197.863



82, 57.647, 140.980



52, 6.861, 197.784



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, 28.528, 196.411



93, 36.575, 196.048



72, 27.366, 260.580



46, 4.458, 198.027



65, 38.246, 194.720



17, 15.689, 194.989

Inverse Universe

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



65, 37.847, 22.606



69, 52.099, 24.254



76, 31.130, 68.641



44, 4.727, 19.044



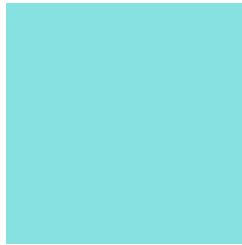
36, 78.629, 39.504



6, 25.513, 20.478

Previews

White Background



This preview shows how the CIE LCh color 84, 28.528, 196.414 looks on a white background.

Color Contrast Check

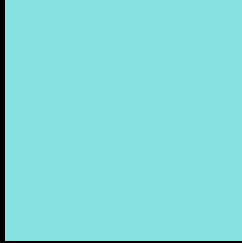
Large Text (above 18pt) WCAG AA × Fail

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, 28.528, 196.414 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

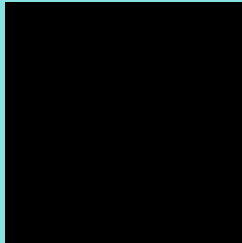
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 28.528, 196.414

Background



This preview shows how black text looks on a background with the CIELCh color 84, 28.528, 196.414.

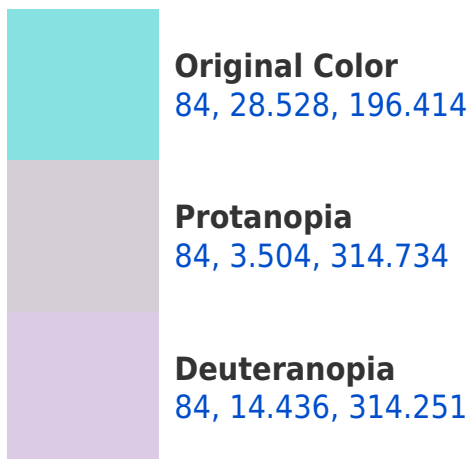



This preview shows how white text looks on a background with the CIELCh color 84, 28.528, 196.414.

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
84, 26.844, 218.726

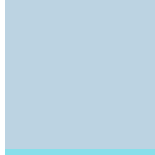
Trichromacy



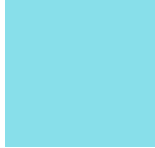
Original Color
84, 28.528, 196.414



Protanomaly
83, 10.531, 210.360



Deuteranomaly
83, 10.999, 245.299

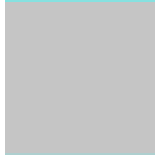


Tritanomaly
84, 27.104, 210.157

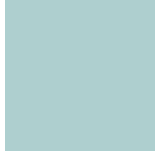
Monochromacy



Original Color
84, 28.528, 196.414



Achromatopsia
80, 0.010, 296.813



Achromatomaly
81, 11.506, 198.607

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 28.528, 196.414 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, 224)` looks like.

```
.text, #text, p{  
    color:rgb(134, 225, 224)  
}
```

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, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 225, 224) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 28.528, 196.414 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, 224) }
```

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

```
.border{ border-color:rgb(134, 225, 224) }
```

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, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 225, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 225, 224);  
box-shadow:4px 4px 4px 4px rgb(134, 225,  
224) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 28.528, 196.414 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, 224) }
```

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

```
.background{ background-color: rgb(134,  
225, 224) }
```

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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