

Converting Colors

CIELCh(84, 29.883, 197.398)

Have a look what the booklet for
CIELCh(84, 29.883, 197.398)
contains.

CIELCh(84, 29.922, 197.395)	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, 29.922, 197.395)

Conversions

Conversions Part 1

Format	Color
Hex	80E1E1
RGB	128, 225, 225
RGB Percent	50%, 88%, 88%
CMY	0.4969, 0.1165, 0.1165
CMYK	0.43, 0.00, 0.00, 0.12
HSL	180°, 62%, 69%
HSV	180°, 43%, 88%
XYZ	49.5752, 64.0658, 81.1874
YIQ	195.9970, -57.8120, -20.5640

Conversions

Conversions Part 2

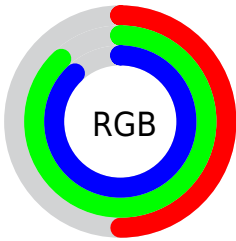
Format	Color
RYB	128, 177, 225
Decimal	8446433
CIELab	84.00, -28.55, -8.95
CIELCh	84, 29.922, 197.395
Yxy	64.0658, 0.2545, 0.3288
Android (android.graphics.Color)	4286636513 (0xFF80E1E1)
YUV	195.9970, 14.2985, -59.6334
Hunter-Lab	80.0411, -29.5141, -4.1104

Details

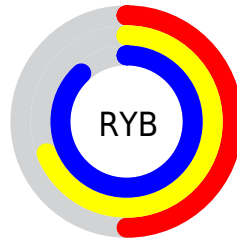
The CIELCh color **84, 29.922, 197.395** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **64, 40.772, 23.841**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 22.269, 198.045**, and **64, 29.803, 198.033** is the 20% darker color. If you saturate the color by 10%, you get **83, 34.933, 197.064**, and if you desaturate by 10%, it is **85, 24.045, 197.785**.

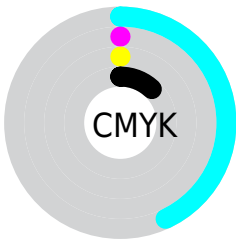
Distribution



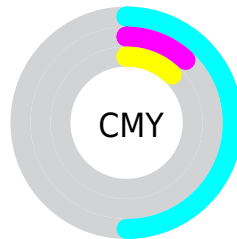
- Red (50%)
- Green (88%)
- Blue (88%)



- Red (50%)
- Yellow (69%)
- Blue (88%)



- Cyan (43%)
- Magenta (0%)
- Yellow (0%)
- Black (12%)




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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 29.922, 197.395 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, 29.922, 197.395 by changing the saturation by 10% instead.


 84, 29.922,
197.395

 84, 29.922,
197.395


 100, 29.922,
197.395


 74, 29.922,
197.395

 64, 29.922,
197.395

 54, 29.922,
197.395

 44, 29.922,
197.395

 34, 29.922,
197.395

 24, 29.922,
197.395

 14, 29.922,

197.395

■ 4, 29.922, 197.395

■ 0, 29.922, 197.395

■ 84, 29.922,
197.395

■ 84, 29.922,
197.395

■ 83, 34.933,
197.064

■ 85, 24.045,
197.785

■ 83, 38.989,
196.802

■ 86, 17.420,
198.238

■ 82, 42.041,
196.607

■ 88, 10.175,
198.756

■ 82, 44.099,
196.477

■ 89, 2.440, 199.479

■ 82, 45.238,

■ 91, 5.662, 19.693

196.405

92, 10.861, 20.112

82, 45.637,
196.379

92, 10.861, 20.109

92, 10.861, 20.106

92, 10.861, 20.103

Harmonies

Complementary

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



84, 29.922, 197.395



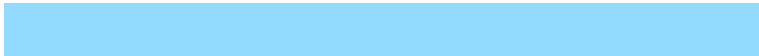
64, 40.772, 23.841

Rectangle

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



84, 29.922, 197.395



84, 29.922, 247.395



84, 29.922, 17.395



84, 29.922, 67.395

Sweetspot

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



84, 29.922, 197.393



98, 11.202, 198.754



82, 61.236, 140.727



52, 7.789, 198.632



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, 29.922, 197.393



93, 38.011, 197.085



71, 29.077, 261.211



46, 4.454, 198.967



65, 37.941, 196.379



17, 15.585, 196.380

Inverse Universe

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



64, 40.772, 23.841



67, 55.951, 25.683



75, 33.376, 68.326



44, 4.728, 19.929



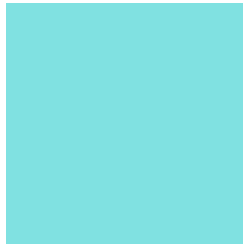
36, 79.111, 39.951



6, 25.541, 20.937

Previews

White Background



This preview shows how the CIE LCh color 84, 29.922, 197.395 looks on a white background.

Color Contrast Check

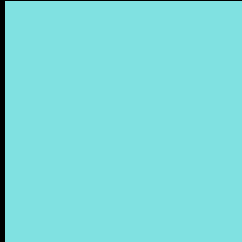
Large Text (above 18pt) WCAG AA × Fail

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, 29.922, 197.395 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

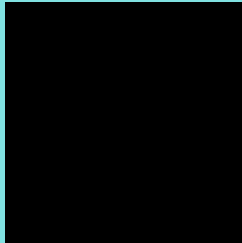
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 29.922, 197.395

Background



This preview shows how black text looks on a background with the CIELCh color 84, 29.922, 197.395.



This preview shows how white text looks on a background with the CIELCh color 84, 29.922, 197.395.

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



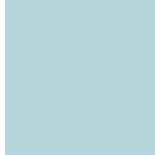


Tritanopia
84, 28.217, 217.573

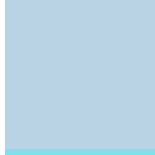
Trichromacy



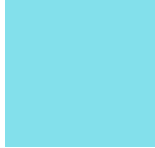
Original Color
84, 29.922, 197.395



Protanomaly
83, 11.815, 208.988



Deuteranomaly
83, 12.167, 246.789

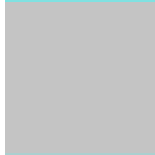


Tritanomaly
84, 28.542, 209.428

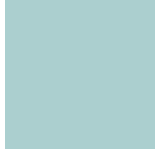
Monochromacy



Original Color
84, 29.922, 197.395



Achromatopsia
79, 0.010, 296.813



Achromatomaly
81, 12.498, 198.531

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 29.922, 197.395 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, 225, 225)` looks like.

```
.text, #text, p{  
    color:rgb(128, 225, 225)  
}
```

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, 225, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 225, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 29.922, 197.395 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, 225, 225) }
```

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

```
.border{ border-color:rgb(128, 225, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 225, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 225, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 225, 225);  
box-shadow:4px 4px 4px 4px rgb(128, 225,  
225) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 29.922, 197.395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 225, 225) }
```

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

```
.background{ background-color: rgb(128,  
225, 225) }
```

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