

Converting Colors

CIELCh(84, 29.313, 175.408)

Have a look what the booklet for
CIELCh(84, 29.313, 175.408)
contains.

CIELCh(84, 29.496, 175.242)	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, 29.496, 175.242)

Conversions

Conversions Part 1

Format	Color
Hex	90E1CC
RGB	144, 225, 204
RGB Percent	56%, 88%, 80%
CMY	0.4357, 0.1181, 0.2004
CMYK	0.36, 0.00, 0.09, 0.12
HSL	164°, 57%, 72%
HSV	164°, 36%, 88%
XYZ	49.2651, 64.0658, 66.8290
YIQ	198.3870, -41.5350, -23.7030

Conversions

Conversions Part 2

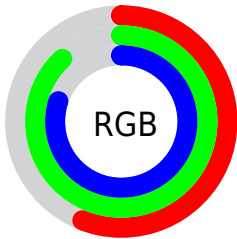
Format	Color
RYB	144, 191, 225
Decimal	9494988
CIELab	84.00, -29.39, 2.45
CIELCh	84, 29.496, 175.242
Yxy	64.0658, 0.2735, 0.3556
Android (android.graphics.Color)	4287685068 (0xFF90E1CC)
YUV	198.3870, 2.7672, -47.6974
Hunter-Lab	80.0411, -30.2055, 6.5255

Details

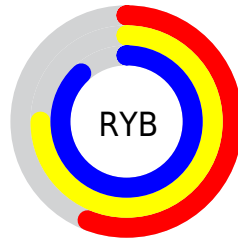
The CIELCh color **84, 29.496, 175.242** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **68, 33.440, 3.135**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 18.101, 198.308**, and **64, 29.356, 175.658** is the 20% darker color. If you saturate the color by 10%, you get **83, 36.664, 174.038**, and if you desaturate by 10%, it is **85, 21.762, 176.347**.

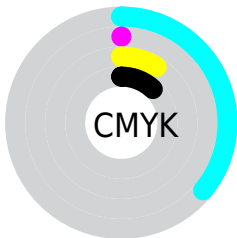
Distribution



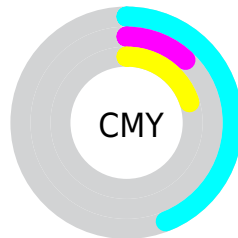
- Red (56%)
- Green (88%)
- Blue (80%)



- Red (56%)
- Yellow (75%)
- Blue (88%)



- Cyan (36%)
- Magenta (0%)
- Yellow (9%)
- Black (12%)



- Cyan (44%)
- Magenta (12%)
- Yellow (20%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 29.496, 175.242 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, 29.496, 175.242 by changing the saturation by 10% instead.


 84, 29.496,
175.242

 84, 29.496,
175.242


 100, 29.496,
175.242


 74, 29.496,
175.242

 64, 29.496,
175.242

 54, 29.496,
175.242

 44, 29.496,
175.242

 34, 29.496,
175.242

 24, 29.496,
175.242

 14, 29.496,

175.242

■ 4, 29.496, 175.242

■ 0, 29.496, 175.242

■ 84, 29.496,
175.242

■ 84, 29.496,
175.242

■ 83, 36.664,
174.038

■ 85, 21.762,
176.347

■ 82, 43.122,
172.717

■ 87, 13.604,
177.381

■ 81, 48.750,
171.252

■ 88, 5.161, 178.400

■ 81, 53.470,
169.619

■ 90, 3.448, 359.040

■ 92, 11.662,
359.121

■ 80, 57.267,

167.797

92, 12.986,
346.612

80, 60.214,
165.785

92, 14.822,
336.853

80, 61.258,
164.968

93, 17.003,
329.473

93, 18.829,
325.078

Harmonies

Complementary

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



84, 29.496, 175.242



68, 33.440, 3.135

Rectangle

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



84, 29.496, 175.242



84, 29.496, 225.242



84, 29.496, 355.242



84, 29.496, 45.242

Sweetspot

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



84, 29.497, 175.240



98, 10.404, 177.877



84, 47.645, 134.948



52, 6.981, 177.740



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, 29.497, 175.240



93, 38.246, 174.375



79, 21.769, 225.993



46, 4.849, 178.042



64, 50.719, 165.337



17, 19.742, 169.224

Inverse Universe

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



68, 33.440, 3.135



73, 44.541, 4.405



72, 27.932, 42.613



44, 5.003, 359.685



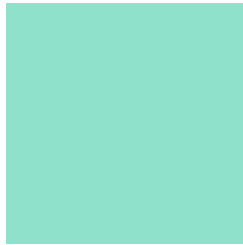
37, 67.723, 24.467



6, 25.304, 9.787

Previews

White Background



This preview shows how the CIE LCh color 84, 29.496, 175.242 looks on a white background.

Color Contrast Check

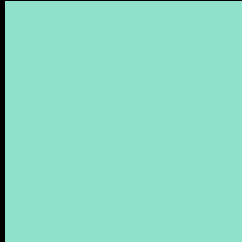
Large Text (above 18pt) WCAG AA × Fail

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, 29.496, 175.242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

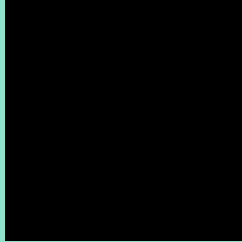
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

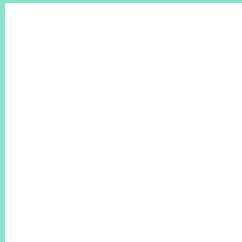
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 29.496, 175.242

Background



This preview shows how black text looks on a background with the CIELCh color 84, 29.496, 175.242.

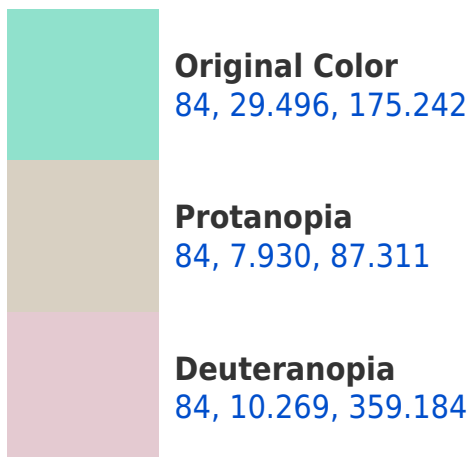


This preview shows how white text looks on a background with the CIELCh color 84, 29.496, 175.242.

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, 23.004, 222.670

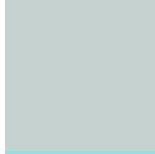
Trichromacy



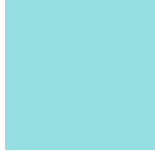
Original Color
84, 29.496, 175.242



Protanomaly
84, 12.200, 154.874



Deuteranomaly
83, 4.951, 180.481

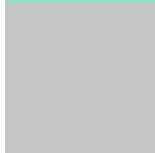


Tritanomaly
84, 23.459, 203.042

Monochromacy



Original Color
84, 29.496, 175.242



Achromatopsia
80, 0.010, 296.813



Achromatomaly
81, 11.571, 177.012

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 29.496, 175.242 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, 225, 204)` looks like.

```
.text, #text, p{  
    color:rgb(144, 225, 204)  
}
```

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, 225, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 225, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 29.496, 175.242 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, 225, 204) }
```

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

```
.border{ border-color:rgb(144, 225, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 225, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 225, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 225, 204);  
box-shadow:4px 4px 4px 4px rgb(144, 225,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 29.496, 175.242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 225, 204) }
```

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

```
.background{ background-color: rgb(144,  
225, 204) }
```

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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