

Converting Colors

CIELCh(84, 34.207, 196.190)

Have a look what the booklet for
CIELCh(84, 34.207, 196.190)
contains.

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Color

CIELCh(84, 34.128, 196.234)

Conversions

Conversions Part 1

Format	Color
Hex	70E3E2
RGB	112, 227, 226
RGB Percent	44%, 89%, 89%
CMY	0.5596, 0.1087, 0.1126
CMYK	0.51, 0.00, 0.00, 0.11
HSL	179°, 67%, 67%
HSV	179°, 51%, 89%
XYZ	48.0344, 64.0658, 81.9897
YIQ	192.5010, -68.2190, -24.6910

Conversions

Conversions Part 2

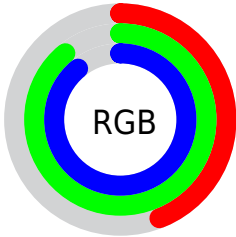
Format	Color
RYB	112, 170, 227
Decimal	7398370
CIELab	84.00, -32.77, -9.54
CIELCh	84, 34.128, 196.234
Yxy	64.0658, 0.2475, 0.3301
Android (android.graphics.Color)	4285588450 (0xFF70E3E2)
YUV	192.5010, 16.5150, -70.5994
Hunter-Lab	80.0411, -32.9502, -4.7047

Details

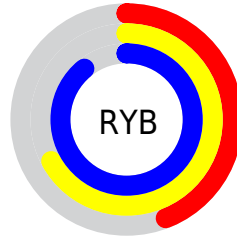
The CIELCh color **84, 34.128, 196.234** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **61, 49.202, 24.686**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 26.210, 197.801**, and **64, 34.069, 196.625** is the 20% darker color. If you saturate the color by 10%, you get **83, 38.492, 195.892**, and if you desaturate by 10%, it is **85, 28.823, 196.627**.

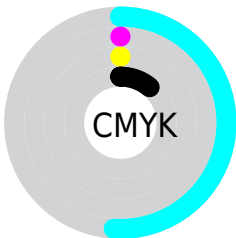
Distribution



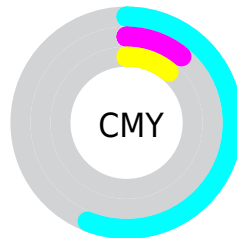
- Red (44%)
- Green (89%)
- Blue (89%)



- Red (44%)
- Yellow (67%)
- Blue (89%)



- Cyan (51%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)





- Cyan (56%)
- Magenta (11%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 34.128, 196.234 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, 34.128, 196.234 by changing the saturation by 10% instead.


 84, 34.128,
196.234

 84, 34.128,
196.234


 100, 34.128,
196.234


 74, 34.128,
196.234

 64, 34.128,
196.234

 54, 34.128,
196.234

 44, 34.128,
196.234

 34, 34.128,
196.234

 24, 34.128,
196.234

 14, 34.128,

196.234

■ 4, 34.128, 196.234

■ 0, 34.128, 196.234

■ 84, 34.128,
196.234

■ 84, 34.128,
196.234

■ 83, 38.492,
195.892

■ 85, 28.823,
196.627

■ 83, 41.855,
195.608

■ 86, 22.679,
197.077

■ 82, 44.206,
195.374

■ 87, 15.818,
197.580

■ 82, 45.604,
195.185

■ 89, 8.373, 198.148

■ 82, 46.238,

■ 90, 0.475, 199.921

195.037

■ 92, 7.760, 19.161

■ 93, 10.093, 18.932

■ 93, 10.092, 18.354

■ 93, 10.093, 17.777

Harmonies

Complementary

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



84, 34.128, 196.234



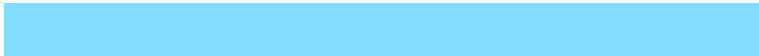
61, 49.202, 24.686

Rectangle

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



84, 34.128, 196.234



84, 34.128, 246.234



84, 34.128, 16.234



84, 34.128, 66.234

Sweetspot

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



84, 34.128, 196.232



97, 12.864, 197.882



82, 71.619, 139.941



52, 8.722, 197.763



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, 34.128, 196.232



92, 42.324, 195.868



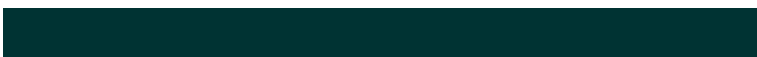
68, 34.125, 263.249



47, 4.540, 198.219



66, 38.591, 195.058



18, 16.178, 195.261

Inverse Universe

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



61, 49.202, 24.686



63, 66.729, 27.357



73, 40.224, 67.392



45, 4.816, 19.228



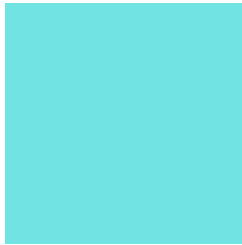
37, 79.593, 39.615



6, 27.075, 21.399

Previews

White Background



This preview shows how the CIELCh color 84, 34.128, 196.234 looks on a white background.

Color Contrast Check

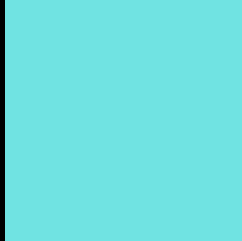
Large Text (above 18pt) WCAG AA × Fail

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, 34.128, 196.234 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, 34.128, 196.234

Background



This preview shows how black text looks on a background with the CIELCh color 84, 34.128, 196.234.

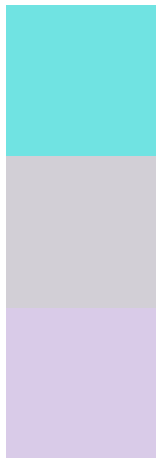


This preview shows how white text looks on a background with the CIELCh color 84, 34.128, 196.234.

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, 34.128, 196.234

Protanopia

84, 3.871, 306.663

Deuteranopia

84, 16.163, 309.037

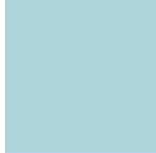


Tritanopia
84, 31.869, 214.990

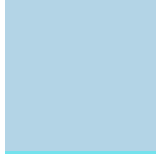
Trichromacy



Original Color
84, 34.128, 196.234



Protanomaly
83, 13.727, 207.406



Deuteranomaly
83, 14.328, 240.640

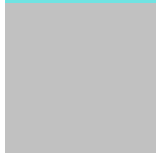


Tritanomaly
84, 32.332, 207.789

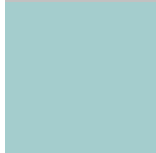
Monochromacy



Original Color
84, 34.128, 196.234



Achromatopsia
78, 0.009, 296.813



Achromatomaly
80, 14.145, 198.399

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 34.128, 196.234 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(112, 227, 226)` looks like.

```
.text, #text, p{  
    color:rgb(112, 227, 226)  
}
```

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(112, 227, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 227, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 34.128, 196.234 is called "border". The border property can be set on classes, ids or directly on the HTML element.

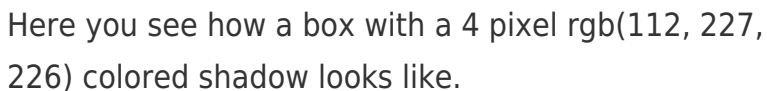
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(112, 227, 226) }
```

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

```
.border{ border-color:rgb(112, 227, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(112, 227, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 227, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 227, 226); box-shadow:4px 4px 4px 4px rgb(112, 227, 226) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 34.128, 196.234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 227, 226) }
```

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

```
.background{ background-color: rgb(112,  
227, 226) }
```

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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