

Converting Colors

CIELCh(84, 33.531, 196.564)

Have a look what the booklet for
CIELCh(84, 33.531, 196.564)
contains.

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Color

CIELCh(84, 33.484, 196.259)

Conversions

Conversions Part 1

Format	Color
Hex	73E3E2
RGB	115, 227, 226
RGB Percent	45%, 89%, 89%
CMY	0.5491, 0.1098, 0.1138
CMYK	0.49, 0.00, 0.00, 0.11
HSL	179°, 67%, 67%
HSV	179°, 49%, 89%
XYZ	48.2599, 64.0658, 81.7655
YIQ	193.3980, -66.4310, -24.0550

Conversions

Conversions Part 2

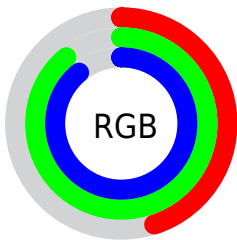
Format	Color
RYB	115, 171, 227
Decimal	7594978
CIELab	84.00, -32.14, -9.37
CIELCh	84, 33.484, 196.259
Yxy	64.0658, 0.2486, 0.3301
Android (android.graphics.Color)	4285785058 (0xFF73E3E2)
YUV	193.3980, 16.0728, -68.7550
Hunter-Lab	80.0411, -32.4472, -4.5386

Details

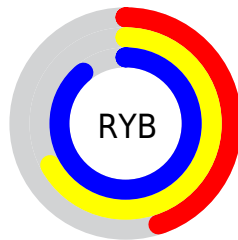
The CIELCh color **84, 33.484, 196.259** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **62, 47.774, 24.406**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 25.662, 197.835**, and **64, 33.423, 196.675** is the 20% darker color. If you saturate the color by 10%, you get **83, 37.967, 195.909**, and if you desaturate by 10%, it is **85, 28.073, 196.660**.

Distribution



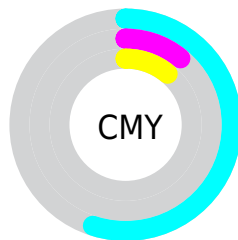
- Red (45%)
- Green (89%)
- Blue (89%)



- Red (45%)
- Yellow (67%)
- Blue (89%)



- Cyan (49%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)





- Cyan (55%)
- Magenta (11%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 33.484, 196.259 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, 33.484, 196.259 by changing the saturation by 10% instead.


 84, 33.484,
196.259

 84, 33.484,
196.259


 100, 33.484,
196.259


 74, 33.484,
196.259

 64, 33.484,
196.259

 54, 33.484,
196.259

 44, 33.484,
196.259

 34, 33.484,
196.259

 24, 33.484,
196.259

 14, 33.484,

196.259

■ 4, 33.484, 196.259

■ 0, 33.484, 196.259

■ 84, 33.484,
196.259

■ 84, 33.484,
196.259

■ 83, 37.967,
195.909

■ 85, 28.073,
196.660

■ 83, 41.453,
195.616

■ 86, 21.838,
197.118

■ 82, 43.928,
195.374

■ 87, 14.904,
197.629

■ 82, 45.439,
195.178

■ 89, 7.404, 198.209

■ 82, 46.162,

■ 90, 0.535, 17.567

195.015

92, 8.795, 19.230

82, 46.200,
195.005

92, 10.206, 18.856

92, 10.205, 18.272

92, 10.206, 17.688

Harmonies

Complementary

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



84, 33.484, 196.259



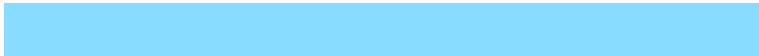
62, 47.774, 24.406

Rectangle

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



84, 33.484, 196.259



84, 33.484, 246.259



84, 33.484, 16.259



84, 33.484, 66.259

Sweetspot

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



84, 33.484, 196.257



97, 12.865, 197.864



82, 69.941, 140.075



52, 8.723, 197.745



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, 33.484, 196.257



92, 41.473, 195.908



69, 33.296, 262.893



47, 4.540, 198.201



66, 38.597, 195.026



18, 16.180, 195.235

Inverse Universe

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



62, 47.774, 24.406



64, 64.291, 26.791



74, 39.077, 67.547



45, 4.816, 19.211



37, 79.583, 39.606



6, 27.074, 21.391

Previews

White Background



This preview shows how the CIE LCh color 84, 33.484, 196.259 looks on a white background.

Color Contrast Check

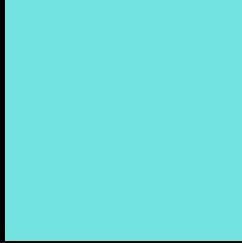
Large Text (above 18pt) WCAG AA × Fail

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, 33.484, 196.259 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, 33.484, 196.259

Background



This preview shows how black text looks on a background with the CIELCh color 84, 33.484, 196.259.

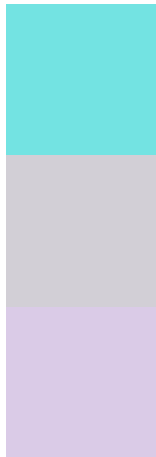


This preview shows how white text looks on a background with the CIELCh color 84, 33.484, 196.259.

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, 33.484, 196.259

Protanopia
84, 3.871, 306.663

Deuteranopia
84, 15.777, 310.832



Tritanopia
84, 31.106, 216.539

Trichromacy



Original Color
84, 33.484, 196.259



Protanomaly
83, 13.410, 207.639



Deuteranomaly
83, 13.536, 240.634

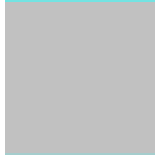


Tritanomaly
84, 31.475, 209.133

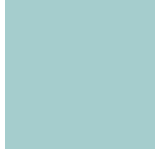
Monochromacy



Original Color
84, 33.484, 196.259



Achromatopsia
78, 0.009, 296.813



Achromatomaly
80, 13.821, 198.423

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 33.484, 196.259 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(115, 227, 226)` looks like.

```
.text, #text, p{  
    color:rgb(115, 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(115, 227, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 227, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 33.484, 196.259 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(115, 227, 226) }
```

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

```
.border{ border-color:rgb(115, 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(115, 227, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 227, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 227, 226);  
box-shadow:4px 4px 4px 4px rgb(115, 227,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 33.484, 196.259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 227, 226) }
```

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

```
.background{ background-color: rgb(115,  
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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