

Converting Colors

CIELCh(84, 31.646, 197.468)

Have a look what the booklet for
CIELCh(84, 31.646, 197.468)
contains.

CIELCh(84, 31.581, 197.293)	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, 31.581, 197.293)

Conversions

Conversions Part 1

Format	Color
Hex	7AE2E2
RGB	122, 226, 226
RGB Percent	48%, 89%, 89%
CMY	0.5213, 0.1135, 0.1135
CMYK	0.46, 0.00, 0.00, 0.11
HSL	180°, 64%, 68%
HSV	180°, 46%, 89%
XYZ	48.9863, 64.0658, 81.7829
YIQ	194.9040, -61.9840, -22.0480

Conversions

Conversions Part 2

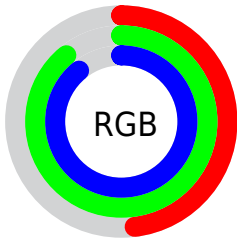
Format	Color
RYB	122, 174, 226
Decimal	8053474
CIELab	84.00, -30.15, -9.39
CIELCh	84, 31.581, 197.293
Yxy	64.0658, 0.2514, 0.3288
Android (android.graphics.Color)	4286243554 (0xFF7AE2E2)
YUV	194.9040, 15.3303, -63.9368
Hunter-Lab	80.0411, -30.8273, -4.5515

Details

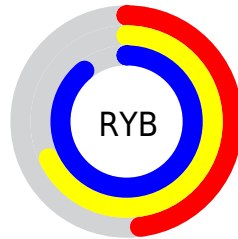
The CIELCh color **84, 31.581, 197.293** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **63, 44.092, 24.380**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 23.987, 197.938**, and **64, 31.436, 197.857** is the 20% darker color. If you saturate the color by 10%, you get **83, 36.330, 196.982**, and if you desaturate by 10%, it is **85, 25.933, 197.665**.

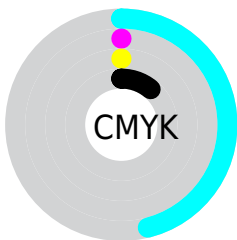
Distribution



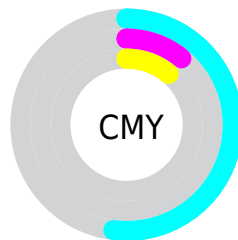
- Red (48%)
- Green (89%)
- Blue (89%)



- Red (48%)
- Yellow (68%)
- Blue (89%)



- Cyan (46%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)





- Cyan (52%)
- Magenta (11%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 31.581, 197.293 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, 31.581, 197.293 by changing the saturation by 10% instead.


 84, 31.581,
197.293


 84, 31.581,
197.293


 100, 31.581,
197.293


 74, 31.581,
197.293

 64, 31.581,
197.293

 54, 31.581,
197.293

 44, 31.581,
197.293

 34, 31.581,
197.293

 24, 31.581,
197.293

 14, 31.581,

197.293

■ 4, 31.581, 197.293

■ 0, 31.581, 197.293

■ 84, 31.581,
197.293

■ 84, 31.581,
197.293

■ 83, 36.330,
196.982

■ 85, 25.933,
197.665

■ 83, 40.102,
196.740

■ 86, 19.498,
198.100

■ 82, 42.864,
196.565

■ 87, 12.402,
198.597

■ 82, 44.643,
196.452

■ 89, 4.777, 199.198

■ 82, 45.540,

■ 91, 3.251, 19.445

196.396

92, 10.561, 20.089

82, 45.756,
196.382

92, 10.561, 20.088

92, 10.561, 20.086

92, 10.561, 20.084

Harmonies

Complementary

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



84, 31.581, 197.293



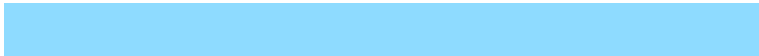
63, 44.092, 24.380

Rectangle

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



84, 31.581, 197.293



84, 31.581, 247.293



84, 31.581, 17.293



84, 31.581, 67.293

Sweetspot

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



84, 31.581, 197.291



98, 12.029, 198.700



82, 65.350, 140.425



52, 8.252, 198.583



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, 31.581, 197.291



93, 39.493, 197.000



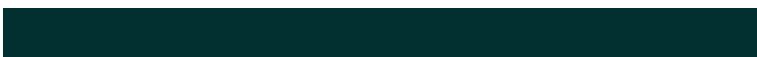
70, 31.055, 261.977



46, 4.454, 198.968



65, 37.940, 196.382



17, 15.585, 196.383

Inverse Universe

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



63, 44.092, 24.380



66, 59.629, 26.385



74, 36.022, 67.961



44, 4.728, 19.931



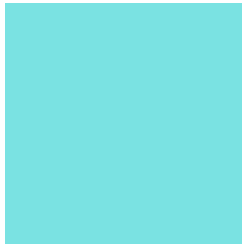
36, 79.112, 39.951



6, 25.541, 20.937

Previews

White Background



This preview shows how the CIELCh color 84, 31.581, 197.293 looks on a white background.

Color Contrast Check

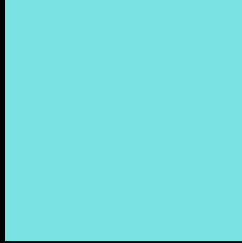
Large Text (above 18pt) WCAG AA × Fail

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, 31.581, 197.293 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, 31.581, 197.293

Background



This preview shows how black text looks on a background with the CIELCh color 84, 31.581, 197.293.



This preview shows how white text looks on a background with the CIELCh color 84, 31.581, 197.293.

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, 29.767, 216.400

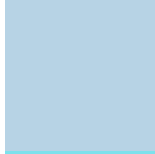
Trichromacy



Original Color
84, 31.581, 197.293



Protanomaly
83, 12.514, 210.846



Deuteranomaly
83, 13.189, 245.329

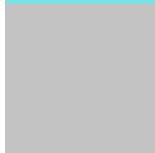


Tritanomaly
84, 30.156, 208.685

Monochromacy



Original Color
84, 31.581, 197.293



Achromatopsia
79, 0.010, 296.813



Achromatomaly
80, 13.162, 198.477

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 31.581, 197.293 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(122, 226, 226)` looks like.

```
.text, #text, p{  
    color:rgb(122, 226, 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(122, 226, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 226, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 31.581, 197.293 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(122, 226, 226) }
```

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

```
.border{ border-color:rgb(122, 226, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 226, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 226, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 226, 226);  
box-shadow:4px 4px 4px 4px rgb(122, 226,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 31.581, 197.293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 226, 226) }
```

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

```
.background{ background-color: rgb(122,  
226, 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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