

Converting Colors

CIELCh(77, 31.468, 193.772)

Have a look what the booklet for
CIELCh(77, 31.468, 193.772)
contains.

CIELCh(77, 31.324, 194.168)	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(77, 31.324, 194.168)

Conversions

Conversions Part 1

Format	Color
Hex	68CECB
RGB	104, 206, 203
RGB Percent	41%, 81%, 80%
CMY	0.5912, 0.1913, 0.2030
CMYK	0.49, 0.00, 0.01, 0.19
HSL	178°, 51%, 61%
HSV	178°, 49%, 81%
XYZ	38.6688, 51.5317, 64.5491
YIQ	175.1600, -59.8290, -22.5570

Conversions

Conversions Part 2

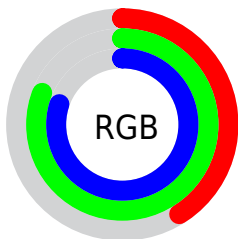
Format	Color
RYB	104, 156, 206
Decimal	6868683
CIELab	77.00, -30.37, -7.67
CIELCh	77, 31.324, 194.168
Yxy	51.5317, 0.2499, 0.3330
Android (android.graphics.Color)	4285058763 (0xFF68CECB)
YUV	175.1600, 13.7251, -62.4073
Hunter-Lab	71.7856, -29.4721, -3.0632

Details

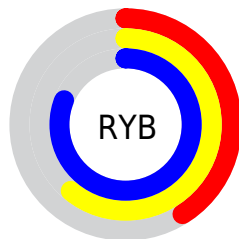
The CIELCh color **77, 31.324, 194.168** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **56, 43.990, 22.889**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 28.874, 197.638**, and **57, 31.213, 194.478** is the 20% darker color. If you saturate the color by 10%, you get **76, 35.580, 193.685**, and if you desaturate by 10%, it is **78, 26.226, 194.679**.

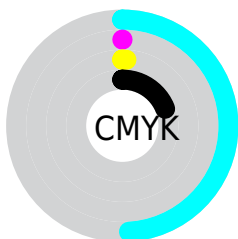
Distribution



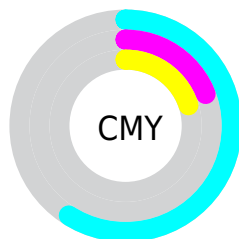
- Red (41%)
- Green (81%)
- Blue (80%)



- Red (41%)
- Yellow (61%)
- Blue (81%)



- Cyan (49%)
- Magenta (0%)
- Yellow (1%)
- Black (19%)





- Cyan (59%)
- Magenta (19%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 31.324, 194.168 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 77, 31.324, 194.168 by changing the saturation by 10% instead.


 77, 31.324,
194.168


 77, 31.324,
194.168


 100, 31.324,
194.168


 67, 31.324,
194.168


 97, 31.324,
194.168

 57, 31.324,
194.168

 47, 31.324,
194.168

 37, 31.324,
194.168

 27, 31.324,
194.168

 17, 31.324,
194.168

 7, 31.324, 194.168

0, 31.324, 194.168

77, 31.324,
194.168

77, 31.324,
194.168

76, 35.580,
193.685

78, 26.226,
194.679

76, 38.926,
193.232

79, 20.385,
195.226

75, 41.343,
192.800

80, 13.917,
195.810

75, 42.867,
192.377

81, 6.946, 196.449

75, 43.672,
191.956

83, 0.412, 15.627

85, 8.049, 17.558

75, 43.710,
191.934

86, 15.873, 18.243

■ 87, 18.320, 17.775

■ 87, 18.318, 16.793

Harmonies

Complementary

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



77, 31.324, 194.168



56, 43.990, 22.889

Rectangle

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



77, 31.324, 194.168



77, 31.324, 244.168



77, 31.324, 14.168



77, 31.324, 64.168

Sweetspot

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



77, 31.324, 194.166



97, 12.904, 196.073



75, 64.564, 139.757



52, 8.752, 195.940



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



77, 31.324, 194.166



92, 41.876, 193.673



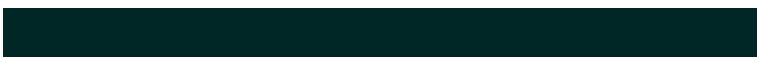
63, 30.275, 260.878



42, 4.132, 196.453



61, 37.141, 192.000



13, 13.756, 192.889

Inverse Universe

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



56, 43.990, 22.889



64, 63.748, 25.360



67, 36.090, 65.889



40, 4.369, 17.540



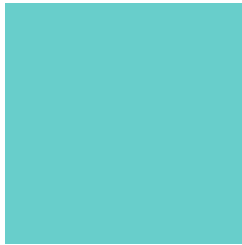
34, 74.351, 38.623



4, 17.922, 17.952

Previews

White Background



This preview shows how the CIELCh color 77, 31.324, 194.168 looks on a white background.

Color Contrast Check

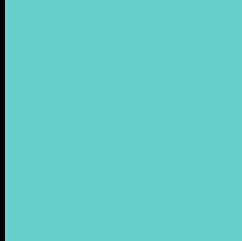
Large Text (above 18pt) WCAG AA × Fail

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 77, 31.324, 194.168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

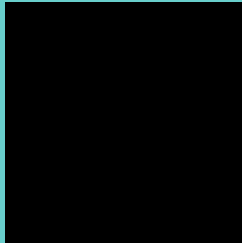
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

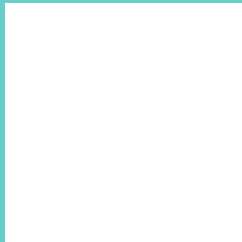
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 31.324, 194.168

Background



This preview shows how black text looks on a background with the CIELCh color 77, 31.324, 194.168.

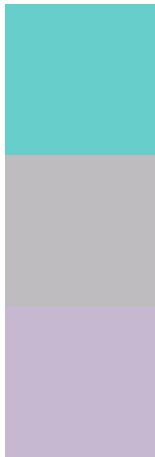


This preview shows how white text looks on a background with the CIELCh color 77, 31.324, 194.168.

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
77, 31.324, 194.168

Protanopia
77, 2.436, 317.305

Deuteranopia
77, 13.923, 312.404



Tritanopia
77, 28.831, 215.045

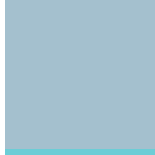
Trichromacy



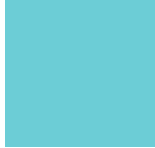
Original Color
77, 31.324, 194.168



Protanomaly
76, 12.567, 200.955



Deuteranomaly
76, 12.036, 237.792

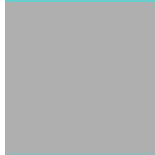


Tritanomaly
77, 29.329, 206.964

Monochromacy



Original Color
77, 31.324, 194.168



Achromatopsia
71, 0.009, 296.813



Achromatomaly
73, 13.067, 196.006

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 31.324, 194.168 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(104, 206, 203)` looks like.

```
.text, #text, p{  
    color:rgb(104, 206, 203)  
}
```

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(104, 206, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 206, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 31.324, 194.168 is called "border". The border property can be set on classes, ids or directly on the HTML element.

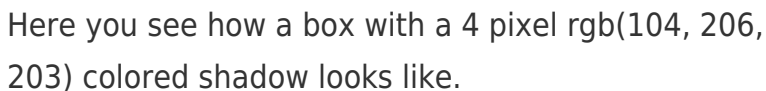
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(104, 206, 203) }
```

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

```
.border{ border-color:rgb(104, 206, 203) }
```

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



Here you see how a box with a 4 pixel `rgb(104, 206, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 206, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 206, 203);  
box-shadow:4px 4px 4px 4px rgb(104, 206,  
203) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 31.324, 194.168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 206, 203) }
```

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

```
.background{ background-color: rgb(104,  
206, 203) }
```

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