

Converting Colors

CIELCh(77, 33.267, 163.694)

Have a look what the booklet for
CIELCh(77, 33.267, 163.694)
contains.

CIELCh(77, 33.246, 163.716)	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, 33.246, 163.716)

Conversions

Conversions Part 1

Format	Color
Hex	7FCEAC
RGB	127, 206, 172
RGB Percent	50%, 81%, 67%
CMY	0.5026, 0.1928, 0.3261
CMYK	0.38, 0.00, 0.17, 0.19
HSL	154°, 45%, 65%
HSV	154°, 38%, 81%
XYZ	38.1883, 51.5317, 46.8810
YIQ	178.5030, -36.1700, -27.3220

Conversions

Conversions Part 2

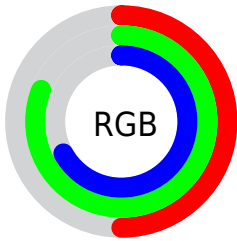
Format	Color
RYB	127, 177, 206
Decimal	8375980
CIELab	77.00, -31.91, 9.32
CIElCh	77, 33.246, 163.716
Yxy	51.5317, 0.2796, 0.3772
Android (android.graphics.Color)	4286566060 (0xFF7FCEAC)
YUV	178.5030, -3.2060, -45.1681
Hunter-Lab	71.7856, -30.6670, 11.5295

Details

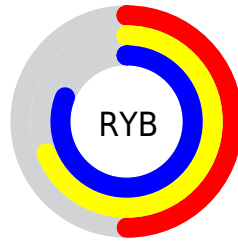
The CIELCh color **77, 33.246, 163.716** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **62, 35.493, 351.683**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 28.819, 167.617**, and **57, 33.015, 164.065** is the 20% darker color. If you saturate the color by 10%, you get **76, 41.146, 162.411**, and if you desaturate by 10%, it is **78, 24.899, 164.881**.

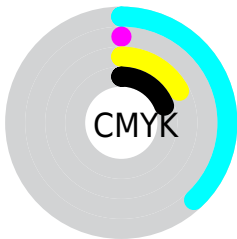
Distribution



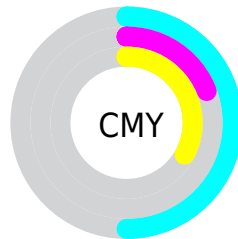
- Red (50%)
- Green (81%)
- Blue (67%)



- Red (50%)
- Yellow (69%)
- Blue (81%)



- Cyan (38%)
- Magenta (0%)
- Yellow (17%)
- Black (19%)





- Cyan (50%)
- Magenta (19%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 33.246, 163.716 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, 33.246, 163.716 by changing the saturation by 10% instead.


 77, 33.246,
163.716


 77, 33.246,
163.716


 100, 33.246,
163.716


 67, 33.246,
163.716


 97, 33.246,
163.716

 57, 33.246,
163.716

 47, 33.246,
163.716

 37, 33.246,
163.716

 27, 33.246,
163.716

 17, 33.246,
163.716

 7, 33.246, 163.716

■ 0, 33.246, 163.716

■ 77, 33.246,
163.716

■ 77, 33.246,
163.716

■ 76, 41.146,
162.411

■ 78, 24.899,
164.881

■ 75, 48.447,
160.943

■ 80, 16.248,
165.934

■ 74, 55.022,
159.287

■ 81, 7.429, 166.912

■ 74, 60.782,
157.423

■ 83, 1.444, 347.413


■ 73, 65.701,
155.347

■ 85, 10.278,
348.472

■ 73, 69.878,
153.103

■ 87, 19.003,
349.232

■ 88, 22.895,

 73, 70.527,
152.748

341.648

 88, 25.934,
333.628

 88, 29.400,
327.480

Harmonies

Complementary

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



77, 33.246, 163.716



62, 35.493, 351.683

Rectangle

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



77, 33.246, 163.716



77, 33.246, 213.716



77, 33.246, 343.716



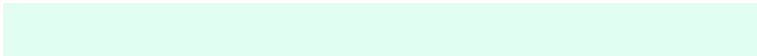
77, 33.246, 33.716

Sweetspot

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



77, 33.247, 163.715



98, 12.652, 166.548



78, 44.930, 129.591



52, 8.389, 166.419



0, 0.000, 0.000



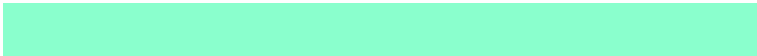
53, 0.007, 296.813

Same Dimension

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



77, 33.247, 163.715



92, 46.725, 162.658



76, 23.714, 204.635



42, 4.992, 166.814



60, 59.594, 153.135



12, 19.990, 158.912

Inverse Universe

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



62, 35.493, 351.683



72, 50.464, 352.910



63, 31.374, 27.879



40, 5.077, 348.365



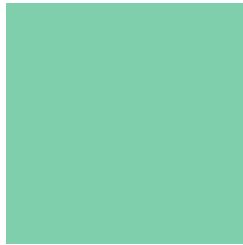
35, 61.182, 8.276



4, 19.307, 357.769

Previews

White Background



This preview shows how the CIELCh color 77, 33.246, 163.716 looks on a white background.

Color Contrast Check

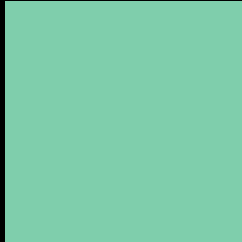
Large Text (above 18pt) WCAG AA × Fail

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, 33.246, 163.716 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, 33.246, 163.716

Background



This preview shows how black text looks on a background with the CIELCh color 77, 33.246, 163.716.

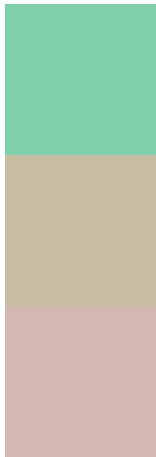


This preview shows how white text looks on a background with the CIELCh color 77, 33.246, 163.716.

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](#).

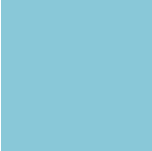
Dichromacy



Original Color
77, 33.246, 163.716

Protanopia
77, 14.436, 93.107

Deuteranopia
77, 11.658, 36.141



Tritanopia
77, 21.554, 221.759

Trichromacy



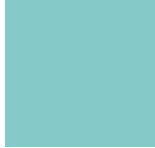
Original Color
77, 33.246, 163.716



Protanomaly
76, 17.673, 136.888



Deuteranomaly
76, 9.398, 132.980

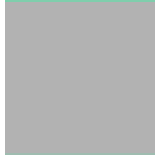


Tritanomaly
77, 22.832, 195.011

Monochromacy



Original Color
77, 33.246, 163.716



Achromatopsia
73, 0.009, 296.813



Achromatomaly
74, 12.537, 167.215

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 33.246, 163.716 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(127, 206, 172)` looks like.

```
.text, #text, p{  
    color:rgb(127, 206, 172)  
}
```

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(127, 206, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 206, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 33.246, 163.716 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(127, 206, 172) }
```

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

```
.border{ border-color:rgb(127, 206, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 206, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 206, 172); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 206, 172); box-shadow:4px 4px 4px 4px rgb(127, 206, 172) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 33.246, 163.716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 206, 172) }
```

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

```
.background{ background-color: rgb(127,  
206, 172) }
```

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