

Converting Colors

CIELCh(77, 33.480, 164.162)

Have a look what the booklet for
CIELCh(77, 33.480, 164.162)
contains.

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Color

CIELCh(77, 33.494, 163.967)

Conversions

Conversions Part 1

Format	Color
Hex	7ECEAC
RGB	126, 206, 172
RGB Percent	49%, 81%, 67%
CMY	0.5060, 0.1923, 0.3256
CMYK	0.39, 0.00, 0.17, 0.19
HSL	154°, 45%, 65%
HSV	154°, 39%, 81%
XYZ	38.1018, 51.5317, 46.9475
YIQ	178.2040, -36.7660, -27.5340

Conversions

Conversions Part 2

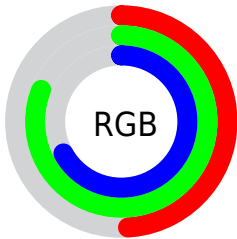
Format	Color
RYB	126, 177, 206
Decimal	8310444
CIELab	77.00, -32.19, 9.25
CIELCh	77, 33.494, 163.967
Yxy	51.5317, 0.2790, 0.3773
Android (android.graphics.Color)	4286500524 (0xFF7ECEAC)
YUV	178.2040, -3.0586, -45.7829
Hunter-Lab	71.7856, -30.8821, 11.4745

Details

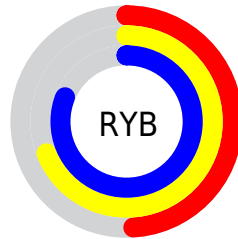
The CIELCh color **77, 33.494, 163.967** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **62, 35.845, 352.089**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 29.085, 167.896**, and **57, 33.239, 164.280** is the 20% darker color. If you saturate the color by 10%, you get **76, 41.329, 162.654**, and if you desaturate by 10%, it is **78, 25.202, 165.139**.

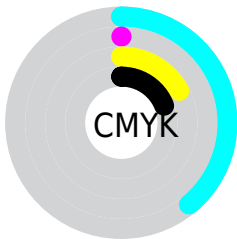
Distribution



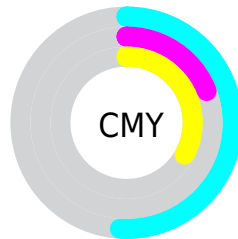
- Red (49%)
- Green (81%)
- Blue (67%)



- Red (49%)
- Yellow (69%)
- Blue (81%)



- Cyan (39%)
- Magenta (0%)
- Yellow (17%)
- Black (19%)





- Cyan (51%)
- Magenta (19%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 33.494, 163.967 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, 33.494, 163.967 by changing the saturation by 10% instead.


 77, 33.494,
163.967

 77, 33.494,
163.967


 100, 33.494,
163.967


 67, 33.494,
163.967

 97, 33.494,
163.967

 57, 33.494,
163.967

 47, 33.494,
163.967

 37, 33.494,
163.967

 27, 33.494,
163.967

 17, 33.494,
163.967

 7, 33.494, 163.967

■ 0, 33.494, 163.967

■ 77, 33.494,
163.967

■ 77, 33.494,
163.967

■ 76, 41.329,
162.654

■ 78, 25.202,
165.139

■ 75, 48.556,
161.179

■ 80, 16.597,
166.198

■ 74, 55.051,
159.515

■ 81, 7.814, 167.181

■ 74, 60.727,
157.643

■ 83, 1.030, 347.566

■ 73, 65.565,
155.559

■ 85, 9.844, 348.754

■ 73, 69.678,
153.315

■ 87, 18.554,
349.522

■ 88, 22.630,
342.331

■ 73, 70.137,
153.062

■ 88, 25.593,
334.219

■ 88, 28.987,
327.983

Harmonies

Complementary

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



77, 33.494, 163.967



62, 35.845, 352.089

Rectangle

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



77, 33.494, 163.967



77, 33.494, 213.967



77, 33.494, 343.967



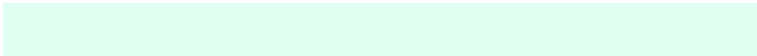
77, 33.494, 33.967

Sweetspot

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



77, 33.495, 163.966



98, 12.605, 166.861



78, 45.480, 129.568



52, 8.358, 166.732



0, 0.000, 0.000



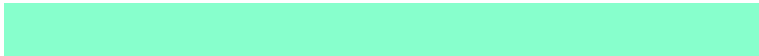
53, 0.007, 296.813

Same Dimension

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



77, 33.495, 163.966



92, 47.425, 162.828



76, 23.960, 204.635



42, 4.974, 167.128



60, 59.239, 153.450



12, 19.887, 159.217

Inverse Universe

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



62, 35.845, 352.089



71, 51.396, 353.426



62, 31.825, 27.933



40, 5.060, 348.684



35, 61.203, 8.790



4, 19.267, 358.083

Previews

White Background



This preview shows how the CIELCh color 77, 33.494, 163.967 looks on a white background.

Color Contrast Check

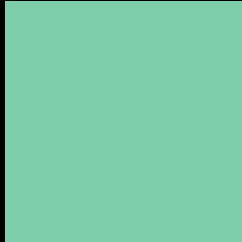
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 77, 33.494, 163.967 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, 33.494, 163.967

Background



This preview shows how black text looks on a background with the CIELCh color 77, 33.494, 163.967.

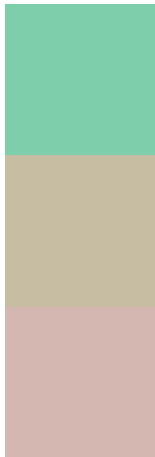


This preview shows how white text looks on a background with the CIELCh color 77, 33.494, 163.967.

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

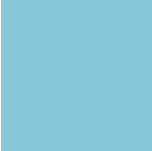
77, 33.494, 163.967

Protanopia

77, 14.436, 93.107

Deuteranopia

77, 11.658, 36.141

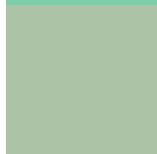


Tritanopia
77, 21.806, 221.454

Trichromacy



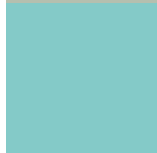
Original Color
77, 33.494, 163.967



Protanomaly
76, 17.860, 137.912



Deuteranomaly
76, 9.398, 132.980



Tritanomaly
77, 23.113, 195.023

Monochromacy



Original Color
77, 33.494, 163.967



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, 33.494, 163.967 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(126, 206, 172)` looks like.

```
.text, #text, p{  
    color:rgb(126, 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(126, 206, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 206, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 33.494, 163.967 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(126, 206, 172) }
```

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

```
.border{ border-color:rgb(126, 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(126, 206, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 206, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 206, 172);  
box-shadow:4px 4px 4px 4px rgb(126, 206,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 33.494, 163.967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 206, 172) }
```

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

```
.background{ background-color: rgb(126,  
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](#).

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