

Converting Colors

CIELCh(77, 32.019, 126.792)

Have a look what the booklet for
CIELCh(77, 32.019, 126.792)
contains.

CIELCh(77, 31.990, 126.798)	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, 31.990, 126.798)

Conversions

Conversions Part 1

Format	Color
Hex	ACC78E
RGB	172, 199, 142
RGB Percent	67%, 78%, 56%
CMY	0.3257, 0.2198, 0.4434
CMYK	0.14, 0.00, 0.29, 0.22
HSL	88°, 34%, 67%
HSV	88°, 29%, 78%
XYZ	42.2859, 51.5317, 33.2852
YIQ	184.4290, 2.2050, -23.4510

Conversions

Conversions Part 2

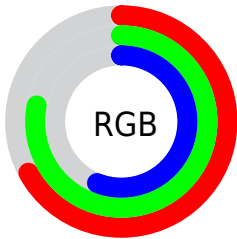
Format	Color
RYB	142, 199, 169
Decimal	11323278
CIELab	77.00, -19.16, 25.62
CIELCh	77, 31.990, 126.798
Yxy	51.5317, 0.3327, 0.4054
Android (android.graphics.Color)	4289513358 (0xFFACC78E)
YUV	184.4290, -20.9175, -10.9002
Hunter-Lab	71.7856, -20.4780, 22.7586

Details

The CIELCh color **77, 31.990, 126.798** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **63, 33.369, 309.575**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 31.527, 126.468**, and **57, 32.073, 126.707** is the 20% darker color. If you saturate the color by 10%, you get **76, 42.926, 126.316**, and if you desaturate by 10%, it is **78, 20.866, 127.290**.

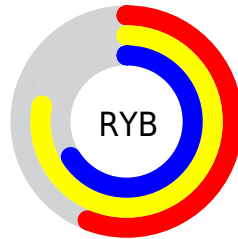
Distribution



Red (67%)

Green (78%)

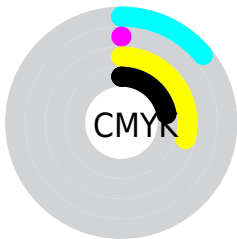
Blue (56%)



Red (56%)

Yellow (78%)

Blue (66%)

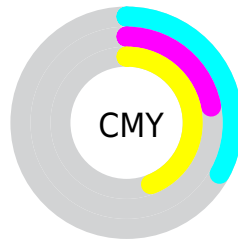


Cyan (14%)

Magenta (0%)

Yellow (29%)

Black (22%)



Cyan (33%)

Magenta (22%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 31.990, 126.798 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, 31.990, 126.798 by changing the saturation by 10% instead.

■ 77, 31.990,
126.798

■ 77, 31.990,
126.798

■ 100, 31.990,
126.798

■ 67, 31.990,
126.798

■ 97, 31.990,
126.798

■ 57, 31.990,
126.798

■ 47, 31.990,
126.798

■ 37, 31.990,
126.798

■ 27, 31.990,
126.798

■ 17, 31.990,
126.798

■ 7, 31.990, 126.798

■ 0, 31.990, 126.798

■ 77, 31.990,
126.798

■ 77, 31.990,
126.798

■ 76, 42.926,
126.316

■ 78, 20.866,
127.290

■ 75, 53.497,
125.875

■ 79, 9.670, 127.769

■ 74, 63.452,
125.532

■ 80, 1.515, 308.132

■ 82, 12.628,
308.608

■ 74, 72.437,
125.374

■ 83, 23.629,
308.989

■ 73, 79.996,
125.515

■ 84, 31.355,
311.024

■ 73, 85.663,
126.080

■ 85, 32.469,

■ 72, 89.346,
127.094

316.520

■ 72, 89.789,
127.232

■ 86, 33.852,
321.700

■ 87, 35.161,
325.647

Harmonies

Complementary

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



77, 31.990, 126.798



63, 33.369, 309.575

Rectangle

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



77, 31.990, 126.798



77, 31.990, 176.798



77, 31.990, 306.798



77, 31.990, 356.798

Sweetspot

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



77, 31.992, 126.800



99, 12.307, 127.746



71, 19.217, 68.341



52, 8.555, 127.676



0, 0.000, 0.000



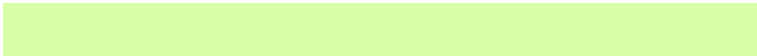
53, 0.007, 296.813

Same Dimension

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



77, 31.992, 126.800



95, 46.317, 126.514



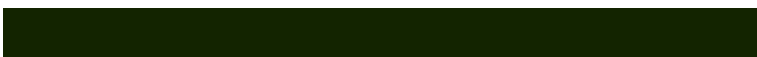
75, 37.021, 141.678



41, 6.338, 127.734



60, 77.345, 126.994



12, 22.653, 130.429

Inverse Universe

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



63, 33.369, 309.575



75, 48.777, 309.906



66, 37.087, 325.034



39, 6.429, 308.564



24, 89.772, 311.421



2, 22.266, 304.984

Previews

White Background



This preview shows how the CIELCh color 77, 31.990, 126.798 looks on a white background.

Color Contrast Check

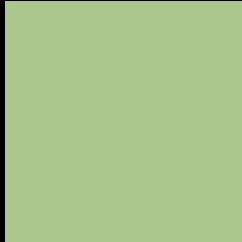
Large Text (above 18pt) WCAG AA × Fail

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, 31.990, 126.798 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, 31.990, 126.798

Background



This preview shows how black text looks on a background with the CIELCh color 77, 31.990, 126.798.



This preview shows how white text looks on a background with the CIELCh color 77, 31.990, 126.798.

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, 31.990, 126.798

Protanopia
77, 28.238, 95.843

Deuteranopia
77, 25.837, 67.714



Tritanopia
77, 8.719, 267.104

Trichromacy



Original Color
77, 31.990, 126.798

Protanomaly
77, 28.605, 108.301

Deuteranomaly
77, 23.867, 92.211

Tritanomaly
77, 8.400, 154.258

Monochromacy



Original Color
77, 31.990, 126.798

Achromatopsia
75, 0.009, 296.813

Achromatomaly
75, 11.291, 126.825

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 31.990, 126.798 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(172, 199, 142)` looks like.

```
.text, #text, p{  
    color:rgb(172, 199, 142)  
}
```

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(172, 199, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 199, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 31.990, 126.798 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(172, 199, 142) }
```

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

```
.border{ border-color:rgb(172, 199, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 199, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 199, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 199, 142);  
box-shadow:4px 4px 4px 4px rgb(172, 199,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 31.990, 126.798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 199, 142) }
```

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

```
.background{ background-color: rgb(172,  
199, 142) }
```

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