

Converting Colors

CIELCh(77, 21.822, 107.642)

Have a look what the booklet for
CIELCh(77, 21.822, 107.642)
contains.

CIELCh(77, 21.793, 108.137)	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, 21.793, 108.137)

Conversions

Conversions Part 1

Format	Color
Hex	C1C198
RGB	193, 193, 152
RGB Percent	76%, 76%, 60%
CMY	0.2445, 0.2445, 0.4052
CMYK	0.00, 0.00, 0.21, 0.24
HSL	60°, 25%, 68%
HSV	60°, 21%, 76%
XYZ	46.5345, 51.5317, 37.0552
YIQ	188.3260, 13.1610, -12.7510

Conversions

Conversions Part 2

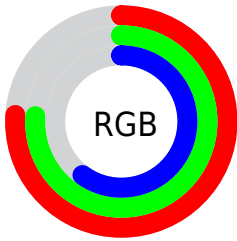
Format	Color
RYB	152, 193, 152
Decimal	12698008
CIELab	77.00, -6.78, 20.71
CIELCh	77, 21.793, 108.137
Yxy	51.5317, 0.3444, 0.3814
Android (android.graphics.Color)	4290888088 (0xFFC1C198)
YUV	188.3260, -17.9087, 4.0991
Hunter-Lab	71.7856, -9.9134, 19.6449

Details

The CIELCh color **77, 21.793, 108.137** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **64, 22.891, 292.593**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 21.820, 107.512**, and **57, 21.932, 108.687** is the 20% darker color. If you saturate the color by 10%, you get **77, 31.850, 107.184**, and if you desaturate by 10%, it is **77, 11.587, 109.103**.

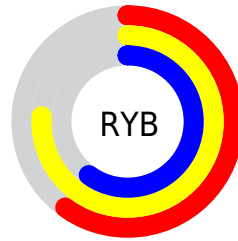
Distribution



Red (76%)

Green (76%)

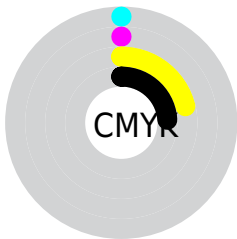
Blue (60%)



Red (60%)

Yellow (76%)

Blue (60%)

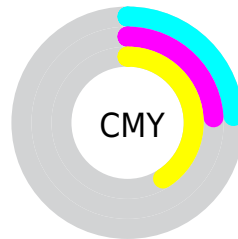


Cyan (0%)

Magenta (0%)

Yellow (21%)

Black (24%)



Cyan (24%)


Magenta (24%)


Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 21.793, 108.137 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, 21.793, 108.137 by changing the saturation by 10% instead.


 77, 21.793,
108.137


 77, 21.793,
108.137


 100, 21.793,
108.137


 67, 21.793,
108.137


 97, 21.793,
108.137

 57, 21.793,
108.137

 47, 21.793,
108.137

 37, 21.793,
108.137

 27, 21.793,
108.137

 17, 21.793,
108.137

 7, 21.793, 108.137

■ 0, 21.793, 108.137

■ 77, 21.793,
108.137

■ 77, 21.793,
108.137

■ 77, 31.850,
107.184

■ 77, 11.587,
109.103

■ 76, 41.633,
106.252

■ 78, 1.305, 110.016

■ 76, 50.957,
105.370

■ 78, 9.000, 291.007

■ 76, 59.541,
104.568

■ 79, 19.296,
291.910

■ 76, 66.992,
103.885

■ 80, 29.557,
292.781

■ 76, 72.831,
103.360

■ 80, 33.278,
293.089

■ 80, 33.278,

■ 76, 76.634,
103.024

293.091

■ 76, 78.482,
102.862

■ 80, 33.278,
293.093

■ 80, 33.278,
293.094

Harmonies

Complementary

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



77, 21.793, 108.137



64, 22.891, 292.593

Rectangle

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



77, 21.793, 108.137



77, 21.793, 158.137



77, 21.793, 288.137



77, 21.793, 338.137

Sweetspot

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



77, 21.795, 108.142



98, 7.619, 109.596



66, 16.385, 20.941



52, 5.053, 109.534



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



77, 21.795, 108.142



97, 32.812, 107.648



75, 23.331, 128.106



41, 5.855, 109.285



64, 68.599, 102.862



12, 18.617, 106.725

Inverse Universe

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



64, 22.891, 292.593



77, 34.927, 293.311



66, 24.015, 310.060



37, 5.984, 291.148



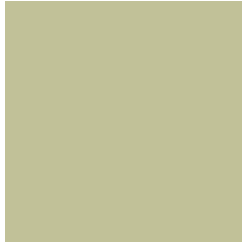
18, 94.723, 306.288



1, 19.479, 291.139

Previews

White Background



This preview shows how the CIELCh color 77, 21.793, 108.137 looks on a white background.

Color Contrast Check

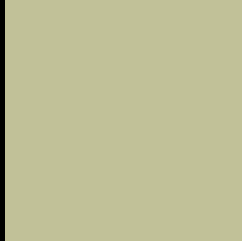
Large Text (above 18pt) WCAG AA × Fail

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, 21.793, 108.137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

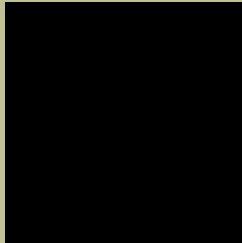
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

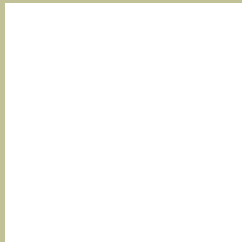
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 21.793, 108.137

Background



This preview shows how black text looks on a background with the CIELCh color 77, 21.793, 108.137.



This preview shows how white text looks on a background with the CIELCh color 77, 21.793, 108.137.

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, 21.793, 108.137

Protanopia

77, 21.861, 95.429

Deuteranopia

77, 22.032, 64.458



Tritanopia
77, 9.396, 321.089

Trichromacy



Original Color
77, 21.793, 108.137

Protanomaly
77, 21.537, 99.630

Deuteranomaly
77, 20.649, 80.557

Tritanomaly
77, 4.303, 57.920

Monochromacy



Original Color
77, 21.793, 108.137

Achromatopsia
76, 0.009, 296.813

Achromatomaly
77, 8.025, 109.419

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 21.793, 108.137 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(193, 193, 152)` looks like.

```
.text, #text, p{  
    color:rgb(193, 193, 152)  
}
```

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(193, 193, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 193, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 21.793, 108.137 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(193, 193, 152) }
```

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

```
.border{ border-color:rgb(193, 193, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 193, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 193, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 193, 152);  
box-shadow:4px 4px 4px 4px rgb(193, 193,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 21.793, 108.137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 193, 152) }
```

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

```
.background{ background-color: rgb(193,  
193, 152) }
```

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