

Converting Colors

CIELCh(77, 22.971, 107.918)

Have a look what the booklet for
CIELCh(77, 22.971, 107.918)
contains.

CIELCh(77, 22.846, 108.037)	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, 22.846, 108.037)

Conversions

Conversions Part 1

Format	Color
Hex	C1C196
RGB	193, 193, 150
RGB Percent	76%, 76%, 59%
CMY	0.2441, 0.2441, 0.4127
CMYK	0.00, 0.00, 0.22, 0.24
HSL	60°, 26%, 67%
HSV	60°, 22%, 76%
XYZ	46.4319, 51.5317, 36.2545
YIQ	188.0980, 13.8030, -13.3730

Conversions

Conversions Part 2

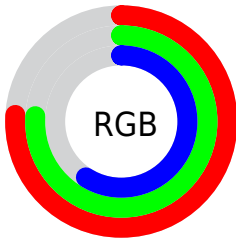
Format	Color
RYB	150, 193, 150
Decimal	12698006
CIELab	77.00, -7.07, 21.72
CIELCh	77, 22.846, 108.037
Yxy	51.5317, 0.3459, 0.3839
Android (android.graphics.Color)	4290888086 (0xFFC1C196)
YUV	188.0980, -18.7823, 4.2991
Hunter-Lab	71.7856, -10.1686, 20.3062

Details

The CIELCh color **77, 22.846, 108.037** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **63, 24.059, 292.732**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 22.828, 107.475**, and **57, 23.035, 108.505** is the 20% darker color. If you saturate the color by 10%, you get **77, 32.886, 107.086**, and if you desaturate by 10%, it is **77, 12.647, 109.004**.

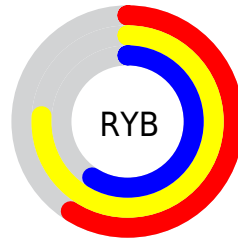
Distribution



Red (76%)

Green (76%)

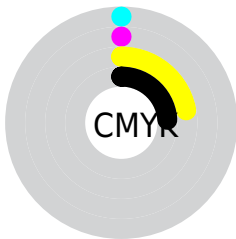
Blue (59%)



Red (59%)

Yellow (76%)

Blue (59%)

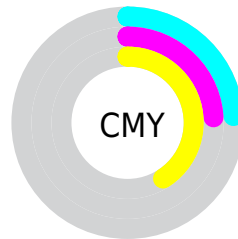


Cyan (0%)

Magenta (0%)

Yellow (22%)

Black (24%)



Cyan (24%)


Magenta (24%)

Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 22.846, 108.037 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, 22.846, 108.037 by changing the saturation by 10% instead.


 77, 22.846,
108.037


 77, 22.846,
108.037


 100, 22.846,
108.037


 67, 22.846,
108.037


 97, 22.846,
108.037

 57, 22.846,
108.037

 47, 22.846,
108.037

 37, 22.846,
108.037

 27, 22.846,
108.037

 17, 22.846,
108.037

 7, 22.846, 108.037

■ 0, 22.846, 108.037

■ 77, 22.846,
108.037

■ 77, 22.846,
108.037

■ 77, 32.886,
107.086

■ 77, 12.647,
109.004

■ 76, 42.636,
106.157

■ 78, 2.365, 109.939

■ 76, 51.903,
105.282

■ 78, 7.944, 290.912

■ 76, 60.394,
104.490

■ 79, 18.247,
291.817

■ 76, 67.705,
103.822

■ 80, 28.517,
292.692

■ 76, 73.354,
103.315

■ 80, 33.217,
293.082

■ 80, 33.217,

■ 76, 76.934,
102.999

293.083

■ 76, 78.515,
102.861

■ 80, 33.217,
293.085

■ 80, 33.217,
293.086

Harmonies

Complementary

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



77, 22.846, 108.037



63, 24.059, 292.732

Rectangle

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



77, 22.846, 108.037



77, 22.846, 158.037



77, 22.846, 288.037



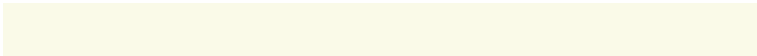
77, 22.846, 338.037

Sweetspot

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



77, 22.848, 108.041



98, 8.889, 109.499



66, 17.252, 21.042



52, 5.775, 109.441



99, 0.012, 296.813



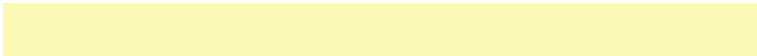
52, 0.007, 296.813

Same Dimension

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



77, 22.848, 108.041



97, 34.054, 107.550



75, 24.467, 128.056



41, 5.855, 109.284



64, 68.599, 102.861



12, 18.617, 106.723

Inverse Universe

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



63, 24.059, 292.732



76, 36.348, 293.459



65, 25.221, 310.113



37, 5.984, 291.147



18, 94.723, 306.288



1, 19.479, 291.138

Previews

White Background



This preview shows how the CIELCh color 77, 22.846, 108.037 looks on a white background.

Color Contrast Check

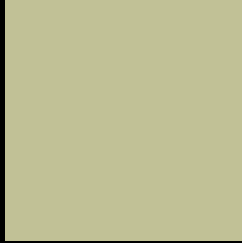
Large Text (above 18pt) WCAG AA × Fail

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, 22.846, 108.037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

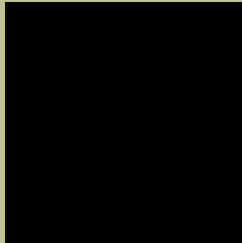
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

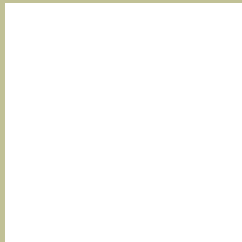
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 22.846, 108.037

Background



This preview shows how black text looks on a background with the CIELCh color 77, 22.846, 108.037.

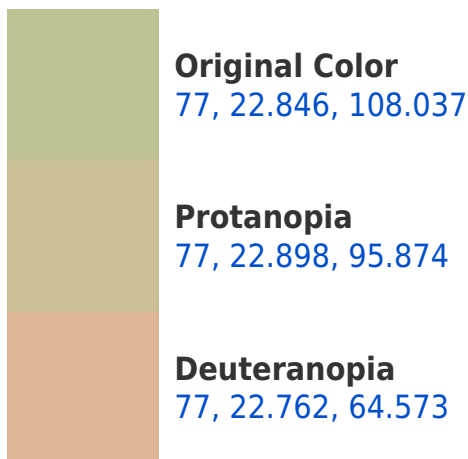



This preview shows how white text looks on a background with the CIELCh color 77, 22.846, 108.037.

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](#).

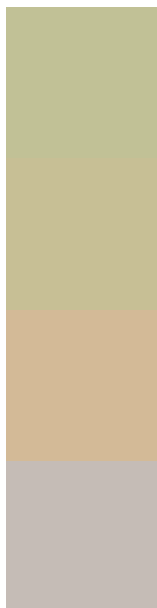
Dichromacy





Tritanopia
77, 9.396, 321.089

Trichromacy



Original Color
77, 22.846, 108.037

Protanomaly
77, 22.583, 99.901

Deuteranomaly
77, 21.349, 80.161

Tritanomaly
77, 4.658, 63.033

Monochromacy



Original Color
77, 22.846, 108.037

Achromatopsia
76, 0.009, 296.813

Achromatomaly
77, 8.559, 109.370

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 22.846, 108.037 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, 150)` looks like.

```
.text, #text, p{  
    color:rgb(193, 193, 150)  
}
```

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, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 193, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 22.846, 108.037 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, 150) }
```

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

```
.border{ border-color:rgb(193, 193, 150) }
```

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, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 193, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 193, 150);  
box-shadow:4px 4px 4px 4px rgb(193, 193,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 22.846, 108.037 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, 150) }
```

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

```
.background{ background-color: rgb(193,  
193, 150) }
```

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