

Converting Colors

CIELCh(77, 22.471, 103.432)

Have a look what the booklet for
CIELCh(77, 22.471, 103.432)
contains.

CIELCh(77, 22.391, 103.988)	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, 22.391, 103.988)

Conversions

Conversions Part 1

Format	Color
Hex	C4C096
RGB	196, 192, 150
RGB Percent	77%, 75%, 59%
CMY	0.2321, 0.2477, 0.4124
CMYK	0.00, 0.02, 0.23, 0.23
HSL	55°, 28%, 68%
HSV	55°, 23%, 77%
XYZ	47.0221, 51.5317, 36.2516
YIQ	188.4080, 15.8660, -12.2140

Conversions

Conversions Part 2

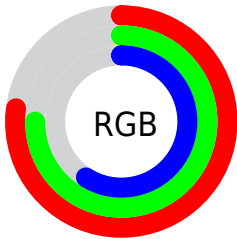
Format	Color
RYB	154, 196, 150
Decimal	12894358
CIELab	77.00, -5.41, 21.73
CIELCh	77, 22.391, 103.988
Yxy	51.5317, 0.3488, 0.3823
Android (android.graphics.Color)	4291084438 (0xFFC4C096)
YUV	188.4080, -18.9351, 6.6582
Hunter-Lab	71.7856, -8.7010, 20.3086

Details

The CIELCh color **77, 22.391, 103.988** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **65, 23.408, 289.313**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 22.408, 103.638**, and **57, 22.539, 104.193** is the 20% darker color. If you saturate the color by 10%, you get **76, 31.812, 102.936**, and if you desaturate by 10%, it is **78, 12.872, 105.041**.

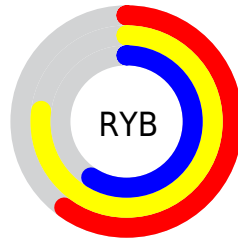
Distribution



Red (77%)

Green (75%)

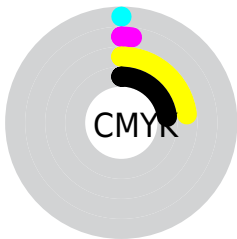
Blue (59%)



Red (60%)

Yellow (77%)

Blue (59%)

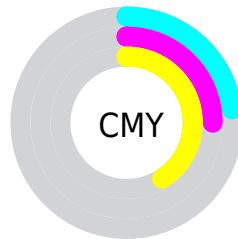


Cyan (0%)

Magenta (2%)

Yellow (23%)

Black (23%)



Cyan (23%)

Magenta (25%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 22.391, 103.988 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, 22.391, 103.988 by changing the saturation by 10% instead.

 77, 22.391,
103.988

 77, 22.391,
103.988

 100, 22.391,
103.988

 67, 22.391,
103.988

 97, 22.391,
103.988

 57, 22.391,
103.988

 47, 22.391,
103.988

 37, 22.391,
103.988

 27, 22.391,
103.988

 17, 22.391,
103.988

 7, 22.391, 103.988

77, 22.391,
103.988

77, 22.391,
103.988

76, 31.812,
102.936

78, 12.872,
105.041

75, 41.018,
101.885

79, 3.319, 106.051

75, 49.824,
100.858

80, 6.222, 287.102

74, 57.943, 99.877

81, 15.727,
288.063

74, 64.950, 98.962

82, 25.178,
288.992

73, 70.302, 98.133

82, 28.088,
288.495

72, 73.503, 97.395

83, 27.186,

■ 72, 74.667, 96.947 287.107

■ 83, 26.301,
285.629

■ 84, 25.434,
284.055

Harmonies

Complementary

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



77, 22.391, 103.988



65, 23.408, 289.313

Rectangle

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



77, 22.391, 103.988



77, 22.391, 153.988



77, 22.391, 283.988



77, 22.391, 333.988

Sweetspot

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



77, 22.393, 103.993



99, 8.273, 105.695



66, 18.432, 13.369



53, 5.376, 105.633



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, 22.393, 103.993



97, 33.032, 103.469



77, 25.498, 124.327



41, 5.364, 105.466



60, 64.528, 97.040



11, 16.732, 101.698

Inverse Universe

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



65, 23.408, 289.313



79, 34.907, 290.069



65, 26.519, 306.777



38, 5.461, 287.464



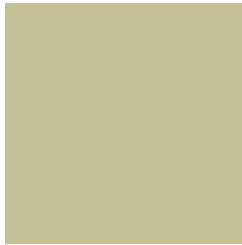
20, 90.499, 305.020



2, 18.277, 288.735

Previews

White Background



This preview shows how the CIELCh color 77, 22.391, 103.988 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, 22.391, 103.988 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

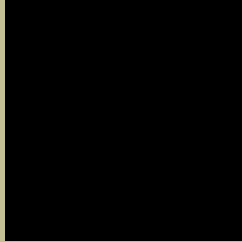
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

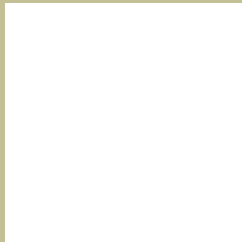
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 22.391, 103.988

Background



This preview shows how black text looks on a background with the CIELCh color 77, 22.391, 103.988.



This preview shows how white text looks on a background with the CIELCh color 77, 22.391, 103.988.

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, 22.391, 103.988

Protanopia

77, 22.379, 95.658

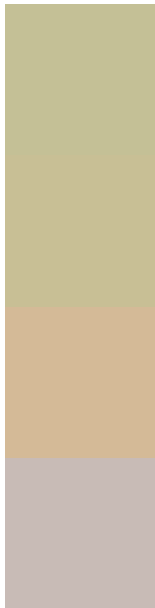
Deuteranopia

77, 22.850, 66.146



Tritanopia
77, 10.227, 328.274

Trichromacy



Original Color
77, 22.391, 103.988

Protanomaly
77, 22.645, 98.890

Deuteranomaly
77, 21.554, 79.211

Tritanomaly
77, 5.589, 48.225

Monochromacy



Original Color
77, 22.391, 103.988

Achromatopsia
76, 0.009, 296.813

Achromatomaly
76, 8.061, 103.988

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 22.391, 103.988 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(196, 192, 150)` looks like.

```
.text, #text, p{  
    color:rgb(196, 192, 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(196, 192, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 192, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 22.391, 103.988 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(196, 192, 150) }
```

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

```
.border{ border-color:rgb(196, 192, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 192, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 192, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 192, 150);  
box-shadow:4px 4px 4px 4px rgb(196, 192,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 22.391, 103.988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 192, 150) }
```

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

```
.background{ background-color: rgb(196,  
192, 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