

# Converting Colors

CIELCh(77, 9.721, 88.422)

Have a look what the booklet for  
CIELCh(77, 9.721, 88.422) contains.

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# Color

**CIELCh(77, 9.721, 88.422)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C6BDAC
RGB	198, 189, 172
RGB Percent	78%, 74%, 67%
CMY	0.2225, 0.2578, 0.3245
CMYK	0.00, 0.05, 0.13, 0.22
HSL	39°, 19%, 73%
HSV	39°, 13%, 78%
XYZ	49.0776, 51.5317, 46.5139
YIQ	189.7530, 10.8210, -3.3790

# Conversions

## Conversions Part 2

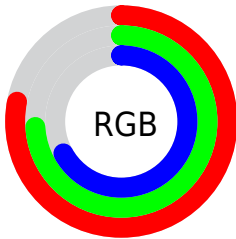
<b>Format</b>	<b>Color</b>
<b>RYB</b>	186, 198, 172
Decimal	13024684
CIELab	77.00, 0.27, 9.72
CIELCh	77, 9.721, 88.422
Yxy	51.5317, 0.3336, 0.3503
Android (android.graphics.Color)	4291214764 (0xFFC6BDAC)
YUV	189.7530, -8.7522, 7.2326
Hunter-Lab	71.7856, -3.5900, 11.8326

# Details

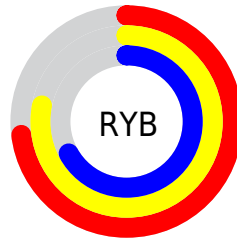
The CIELCh color `77, 9.721, 88.422` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `74, 9.685, 271.887`, and the grayscale version is `77, 0.009, 296.813`.

A 20% lighter version of the original color is `97, 9.853, 87.751`, and `57, 9.667, 89.075` is the 20% darker color. If you saturate the color by 10%, you get `75, 17.334, 87.146`, and if you desaturate by 10%, it is `79, 2.278, 89.607`.

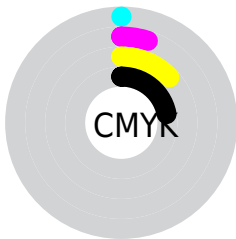
# Distribution



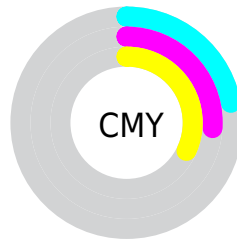
- Red (78%)
- Green (74%)
- Blue (67%)



- Red (73%)
- Yellow (78%)
- Blue (67%)



- Cyan (0%)
- Magenta (5%)
- Yellow (13%)
- Black (22%)



- Cyan (22%)
- Magenta (26%)
- Yellow (32%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 9.721, 88.422 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, 9.721, 88.422 by changing the saturation by 10% instead.



 77, 9.721, 88.422       77, 9.721, 88.422

 100, 9.721, 88.422       67, 9.721, 88.422

 97, 9.721, 88.422       57, 9.721, 88.422

 47, 9.721, 88.422

 37, 9.721, 88.422

 27, 9.721, 88.422

 17, 9.721, 88.422

 7, 9.721, 88.422

 0, 9.721, 88.422

 77, 9.721, 88.422       77, 9.721, 88.422

75, 17.334, 87.146

79, 2.278, 89.607

73, 25.100, 85.811

82, 4.999, 270.975

71, 32.978, 84.435

84, 12.116,  
272.104

68, 40.877, 83.014

86, 19.085,  
273.204

66, 48.611, 81.531

65, 55.842, 79.940

88, 18.140,  
264.413

63, 61.996, 78.145

90, 16.286,  
250.938

61, 66.292, 75.979

60, 68.254, 74.289

92, 15.491,  
235.252

93, 15.889,  
219.297

95, 17.371,  
205.204



# Harmonies

# Complementary

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



77, 9.721, 88.422



74, 9.685, 271.887

# Rectangle

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



77, 9.721, 88.422



77, 9.721, 138.422



77, 9.721, 268.422



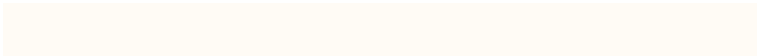
77, 9.721, 318.422

# Sweetspot

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



77, 9.722, 88.434



99, 3.592, 89.516



73, 11.008, 353.798



53, 2.556, 89.435



0, 0.000, 0.000



53, 0.007, 296.813



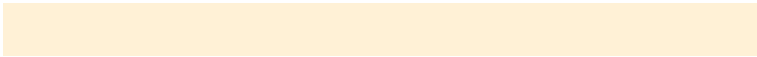


# Same Dimension

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



77, 9.722, 88.434



96, 14.601, 88.038



79, 13.890, 115.090



41, 4.194, 88.898



50, 59.082, 74.748



9, 13.822, 77.160



# Inverse Universe

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



74, 9.685, 271.887



90, 14.521, 272.357



72, 14.295, 297.110



39, 4.188, 271.358



28, 67.959, 295.521

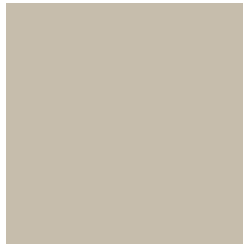


4, 16.465, 280.348



# Previews

## White Background



This preview shows how the CIELCh color 77, 9.721, 88.422 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, 9.721, 88.422 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

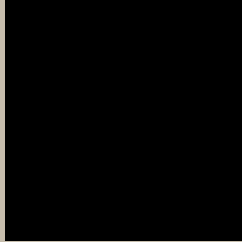
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

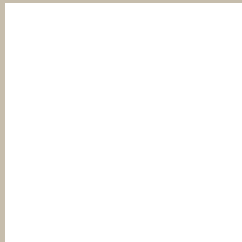
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 77, 9.721, 88.422

## Background



This preview shows how black text looks on a background with the CIELCh color 77, 9.721, 88.422.

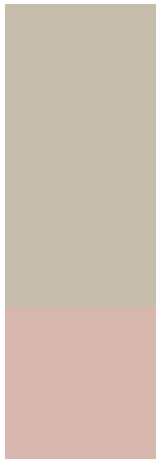


This preview shows how white text looks on a background with the CIELCh color 77, 9.721, 88.422.

# 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, 9.721, 88.422

### Protanopia

77, 9.721, 88.422

### Deuteranopia

77, 13.611, 43.299





**Tritanopia**  
77, 10.227, 328.274

# Trichromacy



**Original Color**  
77, 9.721, 88.422

**Protanomaly**  
77, 9.721, 88.422

**Deuteranomaly**  
77, 11.337, 54.325

**Tritanomaly**  
77, 5.474, 2.718

# Monochromacy



**Original Color**  
77, 9.721, 88.422

**Achromatopsia**  
77, 0.009, 296.813

**Achromatomaly**  
77, 3.386, 90.487

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 77, 9.721, 88.422 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(198, 189, 172)` looks like.

```
.text, #text, p{  
    color:rgb(198, 189, 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(198, 189, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 189, 172) }
```

## Border

The CSS property to change the border of an element to CIELCh 77, 9.721, 88.422 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(198, 189, 172) }
```

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

```
.border{ border-color:rgb(198, 189, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 189, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 189, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 189, 172);  
box-shadow:4px 4px 4px 4px rgb(198, 189,  
172) }
```

# Background

The CSS property to change the background color of an element to CIELCh 77, 9.721, 88.422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 189, 172) }
```

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

```
.background{ background-color: rgb(198,  
189, 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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