

# Converting Colors

CIELCh(78, 14.408, 93.128)

Have a look what the booklet for  
CIELCh(78, 14.408, 93.128) contains.

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# Color

**CIELCh(78, 14.393, 93.138)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CAC0A6
RGB	202, 192, 166
RGB Percent	79%, 75%, 65%
CMY	0.2065, 0.2457, 0.3478
CMYK	0.00, 0.05, 0.18, 0.21
HSL	43°, 25%, 72%
HSV	43°, 18%, 79%
XYZ	50.2819, 53.2120, 43.8521
YIQ	192.0260, 14.3060, -5.9660

# Conversions

## Conversions Part 2

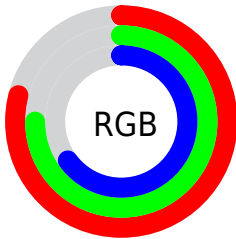
Format	Color
<a href="#">RYB</a>	<a href="#">180, 202, 166</a>
Decimal	<a href="#">13287590</a>
CIELab	<a href="#">78.00, -0.79, 14.37</a>
CIElCh	<a href="#">78, 14.393, 93.138</a>
Yxy	<a href="#">53.2120, 0.3413, 0.3611</a>
Android (android.graphics.Color)	<a href="#">4291477670</a> ( <a href="#">0xFFCAC0A6</a> )
YUV	<a href="#">192.0260, -12.8308, 8.7472</a>
Hunter-Lab	<a href="#">72.9466, -4.6167, 15.4202</a>

# Details

The CIELCh color **78, 14.393, 93.138** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **72, 14.498, 277.728**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 13.955, 98.493**, and **58, 14.629, 93.501** is the 20% darker color. If you saturate the color by 10%, you get **76, 22.636, 91.881**, and if you desaturate by 10%, it is **80, 6.255, 94.359**.

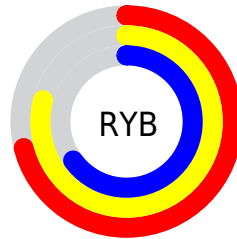
# Distribution



Red (79%)

Green (75%)

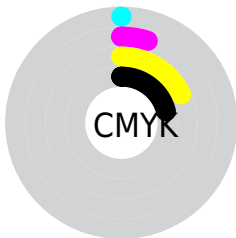
Blue (65%)



Red (71%)

Yellow (79%)

Blue (65%)

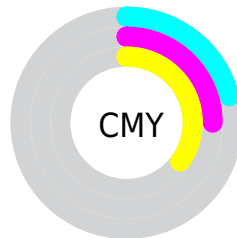


Cyan (0%)

Magenta (5%)

Yellow (18%)

Black (21%)



Cyan (21%)

Magenta (25%)

Yellow (35%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 14.393, 93.138 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 78, 14.393, 93.138 by changing the saturation by 10% instead.



 78, 14.393, 93.138

 78, 14.393, 93.138

 100, 14.393,  
93.138

 68, 14.393, 93.138

 98, 14.393, 93.138

 58, 14.393, 93.138

 48, 14.393, 93.138

 38, 14.393, 93.138

 28, 14.393, 93.138

 18, 14.393, 93.138

 8, 14.393, 93.138

 0, 14.393, 93.138

 78, 14.393, 93.138

 78, 14.393, 93.138

76, 22.636, 91.881

80, 6.255, 94.359

74, 30.936, 90.577

82, 1.764, 275.695

73, 39.211, 89.237

84, 9.658, 276.739

71, 47.297, 87.858

86, 17.427,  
277.818

69, 54.907, 86.423

88, 18.857,  
273.313

68, 61.561, 84.889

66, 66.568, 83.171

89, 16.763,  
263.693

65, 69.358, 81.157

90, 15.251,  
251.868

64, 69.868, 80.705

92, 14.490,  
238.258

93, 14.583,  
224.109

# Harmonies

# Complementary

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



78, 14.393, 93.138



72, 14.498, 277.728

# Rectangle

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



78, 14.393, 93.138



78, 14.393, 143.138



78, 14.393, 273.138



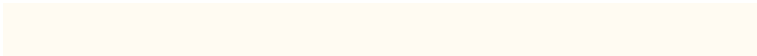
78, 14.393, 323.138

# Sweetspot

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



78, 14.394, 93.147



99, 4.825, 94.669



72, 14.829, 358.889



53, 3.295, 94.590



0, 0.000, 0.000



53, 0.007, 296.813

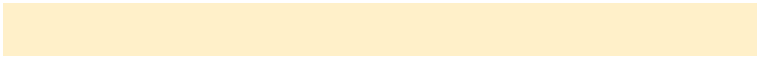


# Same Dimension

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



78, 14.394, 93.147



95, 20.544, 92.710



80, 19.271, 117.461



42, 4.587, 94.170



53, 60.300, 81.071



11, 16.169, 84.677





# Inverse Universe

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



72, 14.498, 277.728



86, 20.719, 278.276



70, 20.003, 299.937



40, 4.611, 276.531



26, 76.361, 299.145

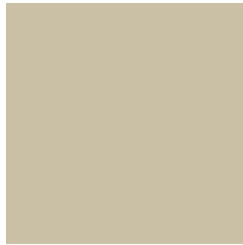


3, 19.104, 284.327



# Previews

## White Background



This preview shows how the CIELCh color 78, 14.393, 93.138 looks on a white background.

## Color Contrast Check

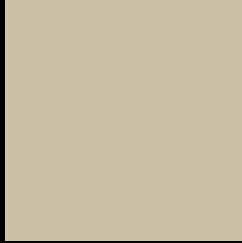
Large Text (above 18pt) WCAG AA × Fail

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 78, 14.393, 93.138 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

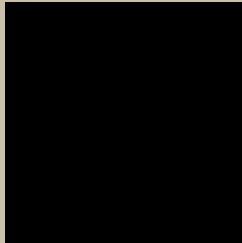
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 78, 14.393, 93.138

## Background



This preview shows how black text looks on a background with the CIELCh color 78, 14.393, 93.138.



This preview shows how white text looks on a background with the CIELCh color 78, 14.393, 93.138.

# 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

78, 14.393, 93.138

### Protanopia

78, 14.393, 93.138

### Deuteranopia

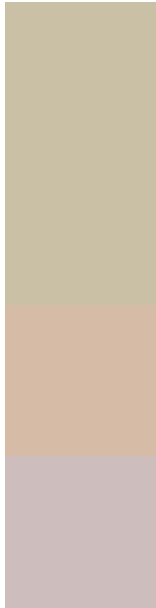
78, 16.925, 54.566



**Tritanopia**  
78, 10.915, 332.936



# Trichromacy



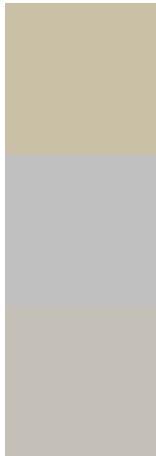
**Original Color**  
78, 14.393, 93.138

**Protanomaly**  
78, 14.393, 93.138

**Deuteranomaly**  
78, 15.237, 66.926

**Tritanomaly**  
78, 5.999, 19.799

# Monochromacy



**Original Color**  
78, 14.393, 93.138

**Achromatopsia**  
78, 0.009, 296.813

**Achromatomaly**  
78, 5.020, 92.275

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 78, 14.393, 93.138 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(202, 192, 166)` looks like.

```
.text, #text, p{  
    color:rgb(202, 192, 166)  
}
```

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(202, 192, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 192, 166) }
```

## Border

The CSS property to change the border of an element to CIELCh 78, 14.393, 93.138 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(202, 192, 166) }
```

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

```
.border{ border-color:rgb(202, 192, 166) }
```

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

Here you see how a box with a 4 pixel rgb(202, 192, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 192, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 192, 166);  
box-shadow:4px 4px 4px 4px rgb(202, 192,  
166) }
```

# Background

The CSS property to change the background color of an element to CIELCh 78, 14.393, 93.138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 192, 166) }
```

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

```
.background{ background-color: rgb(202,  
192, 166) }
```

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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