

# Converting Colors

CIELCh(78, 23.814, 101.466)

Have a look what the booklet for  
CIELCh(78, 23.814, 101.466)  
contains.

<b>CIELCh(78, 24.033, 101.242)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# **Color**

**CIELCh(78, 24.033, 101.242)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9C295
RGB	201, 194, 149
RGB Percent	79%, 76%, 58%
CMY	0.2115, 0.2389, 0.4154
CMYK	0.00, 0.03, 0.26, 0.21
HSL	52°, 33%, 69%
HSV	52°, 26%, 79%
XYZ	48.8421, 53.2120, 36.1570
YIQ	190.9630, 18.6170, -12.5110

# Conversions

## Conversions Part 2

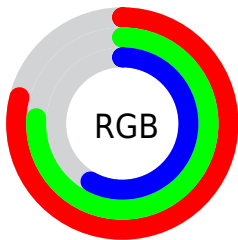
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	157, 201, 149
Decimal	13222549
CIE <sub>Lab</sub>	78.00, -4.69, 23.57
CIE <sub>LCh</sub>	78, 24.033, 101.242
Yxy	53.2120, 0.3534, 0.3850
Android (android.graphics.Color)	4291412629 (0xFFC9C295)
YUV	190.9630, -20.6878, 8.8024
Hunter-Lab	72.9466, -8.1401, 21.6747

# Details

The CIELCh color **78, 24.033, 101.242** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **65, 25.060, 287.423**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 23.882, 103.823**, and **58, 24.199, 102.187** is the 20% darker color. If you saturate the color by 10%, you get **77, 33.250, 100.125**, and if you desaturate by 10%, it is **79, 14.739, 102.353**.

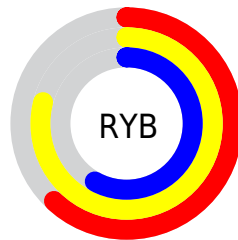
# Distribution



Red (79%)

Green (76%)

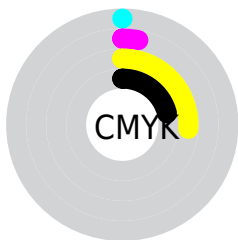
Blue (58%)



Red (62%)

Yellow (79%)

Blue (58%)

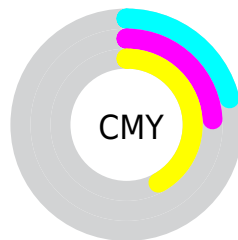


Cyan (0%)

Magenta (3%)

Yellow (26%)

Black (21%)



Cyan (21%)

Magenta (24%)

Yellow (42%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 24.033, 101.242 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, 24.033, 101.242 by changing the saturation by 10% instead.



 78, 24.033,  
101.242

 78, 24.033,  
101.242

 100, 24.033,  
101.242

 68, 24.033,  
101.242


 98, 24.033,  
101.242

 58, 24.033,  
101.242

 48, 24.033,  
101.242

 38, 24.033,  
101.242

 28, 24.033,  
101.242

 18, 24.033,  
101.242

 8, 24.033, 101.242

0, 24.033, 101.242

78, 24.033,  
101.242

78, 24.033,  
101.242

77, 33.250,  
100.125

79, 14.739,  
102.353

76, 42.267, 99.000

80, 5.434, 103.424

75, 50.891, 97.886

81, 3.841, 284.533

74, 58.806, 96.794

83, 13.062,  
285.526

73, 65.544, 95.734

84, 22.216,  
286.497

72, 70.505, 94.705

72, 73.180, 93.685

85, 23.645,  
284.835

71, 73.893, 93.263

86, 22.302,

281.952

■ 86, 21.022,  
278.723

■ 87, 19.817,  
275.107

# Harmonies

# Complementary

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



78, 24.033, 101.242



65, 25.060, 287.423

# Rectangle

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



78, 24.033, 101.242



78, 24.033, 151.242



78, 24.033, 281.242



78, 24.033, 331.242

# Sweetspot

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



78, 24.034, 101.247



99, 9.000, 103.189



67, 20.996, 9.807



53, 6.399, 103.027



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, 24.034, 101.247



96, 34.903, 100.623



78, 28.378, 122.280



41, 5.216, 103.055



59, 63.363, 93.424



12, 17.321, 97.690



# Inverse Universe

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



65, 25.060, 287.423



77, 36.790, 288.340



65, 29.755, 305.222



39, 5.298, 285.142



21, 88.549, 304.065

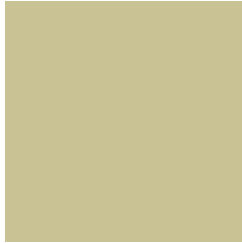


2, 19.489, 288.070



# Previews

## White Background



This preview shows how the CIELCh color 78, 24.033, 101.242 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, 24.033, 101.242 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

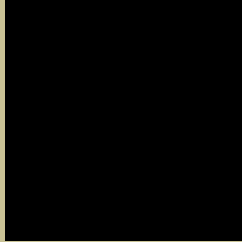
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

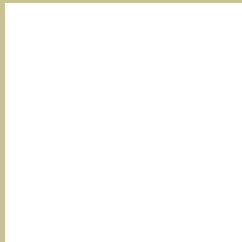
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 78, 24.033, 101.242**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 78, 24.033, 101.242.



This preview shows how white text looks on a background with the CIELCh color 78, 24.033, 101.242.

# 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, 24.033, 101.242

### Protanopia

78, 24.469, 95.569

### Deuteranopia

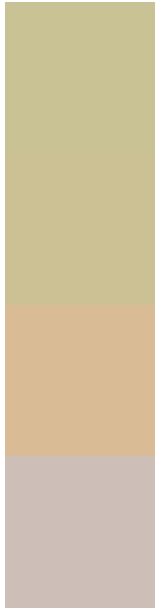
78, 24.903, 66.355





**Tritanopia**  
78, 11.166, 334.364

# Trichromacy



**Original Color**  
78, 24.033, 101.242

**Protanomaly**  
78, 24.303, 97.437

**Deuteranomaly**  
78, 23.554, 78.292

**Tritanomaly**  
78, 6.797, 52.967

# Monochromacy



**Original Color**  
78, 24.033, 101.242

**Achromatopsia**  
77, 0.009, 296.813

**Achromatomaly**  
78, 8.608, 101.746

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 78, 24.033, 101.242 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(201, 194, 149)` looks like.

```
.text, #text, p{  
    color:rgb(201, 194, 149)  
}
```

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(201, 194, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 194, 149) }
```

## Border

The CSS property to change the border of an element to CIELCh 78, 24.033, 101.242 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(201, 194, 149) }
```

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

```
.border{ border-color:rgb(201, 194, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 194, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(201, 194, 149); -webkit-box-shadow:4px 4px 4px 4px rgb(201, 194, 149); box-shadow:4px 4px 4px 4px rgb(201, 194, 149) }
```

# Background

The CSS property to change the background color of an element to CIELCh 78, 24.033, 101.242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 194, 149) }
```

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

```
.background{ background-color: rgb(201,  
194, 149) }
```

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