

# Converting Colors

CIELCh(68, 24.850, 102.762)

Have a look what the booklet for  
CIELCh(68, 24.850, 102.762)  
contains.

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**Color**

**CIELCh(68, 24.586, 102.763)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACA77A
RGB	172, 167, 122
RGB Percent	67%, 65%, 48%
CMY	0.3242, 0.3438, 0.5204
CMYK	0.00, 0.03, 0.29, 0.32
HSL	54°, 23%, 58%
HSV	54°, 29%, 68%
XYZ	34.4913, 37.9720, 24.0215
YIQ	163.3650, 17.4250, -12.9350

# Conversions

## Conversions Part 2

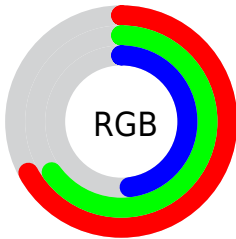
Format	Color
<b>RYB</b>	128, 172, 122
Decimal	11315066
CIELab	68.00, -5.43, 23.98
CIELCh	68, 24.586, 102.763
Yxy	37.9720, 0.3575, 0.3936
Android (android.graphics.Color)	4289505146 (0xFFACA77A)
YUV	163.3650, -20.3929, 7.5729
Hunter-Lab	61.6215, -7.9260, 20.0224

# Details

The CIELCh color **68, 24.586, 102.763** is a light color, and the websafe version is hex **999966**. A complement of this color would be **54, 25.942, 289.525**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 24.437, 102.656**, and **48, 24.393, 102.552** is the 20% darker color. If you saturate the color by 10%, you get **67, 32.903, 101.703**, and if you desaturate by 10%, it is **69, 16.146, 103.828**.

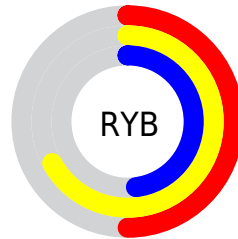
# Distribution



Red (67%)

Green (65%)

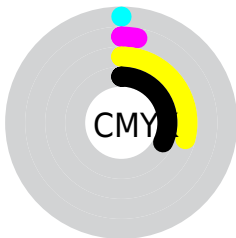
Blue (48%)



Red (50%)

Yellow (67%)

Blue (48%)

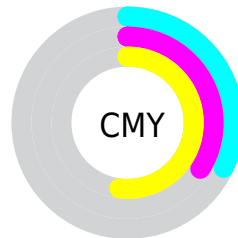


Cyan (0%)

Magenta (3%)

Yellow (29%)

Black (32%)



Cyan (32%)

Magenta (34%)

Yellow (52%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 24.586, 102.763 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 68, 24.586, 102.763 by changing the saturation by 10% instead.



 68, 24.586,  
102.763

 68, 24.586,  
102.763

 100, 24.586,  
102.763


 58, 24.586,  
102.763


 88, 24.586,  
102.763

 48, 24.586,  
102.763

 98, 24.586,  
102.763

 38, 24.586,  
102.763

 28, 24.586,  
102.763

 18, 24.586,  
102.763

 8, 24.586, 102.763

 0, 24.586, 102.763

68, 24.586,  
102.763

68, 24.586,  
102.763

67, 32.903,  
101.703

69, 16.146,  
103.828

67, 40.967,  
100.650

70, 7.656, 104.868

66, 48.576, 99.625

71, 0.834, 286.018

65, 55.419, 98.646

72, 9.299, 286.905

65, 61.059, 97.732

73, 17.718,  
287.855

64, 64.996, 96.890

74, 26.083,  
288.766

64, 67.160, 96.108

75, 34.386,  
289.636

64, 67.353, 96.033

76, 39.876,  
289.934

■ 76, 38.920,  
288.953

# Harmonies

# Complementary

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



68, 24.586, 102.763



54, 25.942, 289.525

# Rectangle

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



68, 24.586, 102.763



68, 24.586, 152.763



68, 24.586, 282.763



68, 24.586, 332.763

# Sweetspot

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



68, 24.587, 102.767



88, 9.464, 104.855



56, 20.856, 14.046



47, 6.569, 104.710



95, 0.011, 296.813



47, 0.006, 296.813





# Same Dimension

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



68, 24.587, 102.767



86, 36.652, 102.065



68, 28.346, 124.054



36, 4.827, 104.840



56, 60.993, 96.114



6, 9.776, 103.645



# Inverse Universe

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



54, 25.942, 289.525



65, 39.264, 290.632



55, 29.768, 307.109



34, 4.910, 286.829



18, 85.238, 304.686



1, 10.433, 286.681



# Previews

## White Background



This preview shows how the CIELCh color 68, 24.586, 102.763 looks on a white background.

## Color Contrast Check

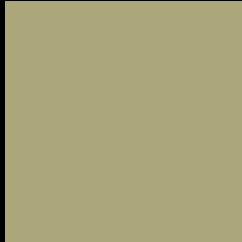
Large Text (above 18pt) WCAG AA × Fail

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 68, 24.586, 102.763 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

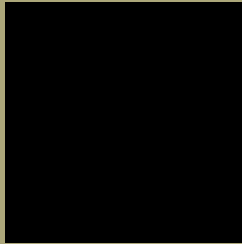
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 68, 24.586, 102.763**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 68, 24.586, 102.763.



This preview shows how white text looks on a background with the CIELCh color 68, 24.586, 102.763.

# 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**  
68, 24.586, 102.763

**Protanopia**  
68, 24.522, 95.848

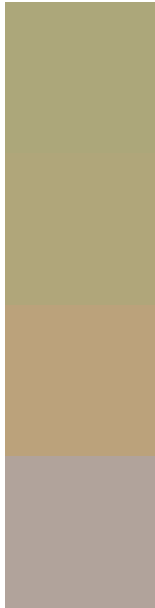
**Deuteranopia**  
68, 24.756, 70.182





**Tritanopia**  
68, 9.513, 336.334

# Trichromacy



**Original Color**  
68, 24.586, 102.763

**Protanomaly**  
68, 24.356, 97.785

**Deuteranomaly**  
68, 23.931, 81.803

**Tritanomaly**  
68, 7.027, 58.291

# Monochromacy



**Original Color**  
68, 24.586, 102.763

**Achromatopsia**  
67, 0.008, 296.813

**Achromatomaly**  
67, 8.813, 104.135

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 68, 24.586, 102.763 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(172, 167, 122)` looks like.

```
.text, #text, p{  
    color:rgb(172, 167, 122)  
}
```

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(172, 167, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 167, 122) }
```

## Border

The CSS property to change the border of an element to CIELCh 68, 24.586, 102.763 is called "border". The border property can be set on classes, ids or directly on the HTML element.

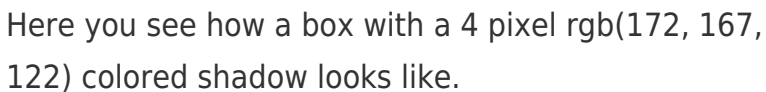
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(172, 167, 122) }
```

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

```
.border{ border-color:rgb(172, 167, 122) }
```

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



Here you see how a box with a 4 pixel `rgb(172, 167, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 167, 122); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 167, 122); box-shadow:4px 4px 4px 4px rgb(172, 167, 122) }
```

# Background

The CSS property to change the background color of an element to CIELCh 68, 24.586, 102.763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 167, 122) }
```

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

```
.background{ background-color: rgb(172,  
167, 122) }
```

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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