

Converting Colors

CIELCh(68, 28.877, 89.131)

Have a look what the booklet for
CIELCh(68, 28.877, 89.131) contains.

CIELCh(68, 28.766, 89.161)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(68, 28.766, 89.161)

Conversions

Conversions Part 1

Format	Color
Hex	B9A472
RGB	185, 164, 114
RGB Percent	73%, 64%, 45%
CMY	0.2754, 0.3577, 0.5537
CMYK	0.00, 0.11, 0.38, 0.28
HSL	42°, 34%, 59%
HSV	42°, 38%, 72%
XYZ	36.2174, 37.9720, 21.2799
YIQ	164.5790, 28.5660, -11.0980

Conversions

Conversions Part 2

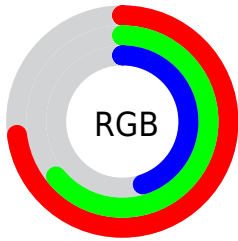
Format	Color
RYB	144, 185, 114
Decimal	12166258
CIELab	68.00, 0.42, 28.76
CIELCh	68, 28.766, 89.161
Yxy	37.9720, 0.3794, 0.3977
Android (android.graphics.Color)	4290356338 (0xFFB9A472)
YUV	164.5790, -24.9354, 17.9092
Hunter-Lab	61.6215, -2.9260, 22.6602

Details

The CIELCh color **68, 28.766, 89.161** is a light color, and the websafe version is hex **999966**. A complement of this color would be **56, 29.073, 280.176**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 28.993, 89.486**, and **48, 28.763, 88.341** is the 20% darker color. If you saturate the color by 10%, you get **66, 36.385, 87.813**, and if you desaturate by 10%, it is **70, 21.146, 90.481**.

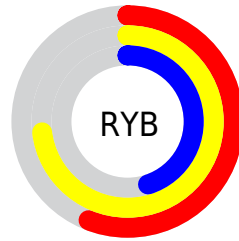
Distribution



Red (73%)

Green (64%)

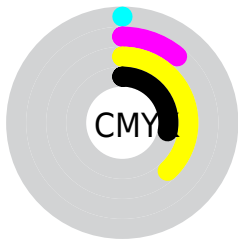
Blue (45%)



Red (56%)

Yellow (73%)

Blue (45%)

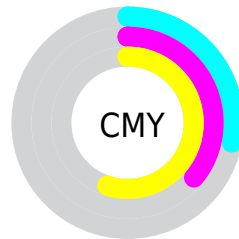


Cyan (0%)

Magenta (11%)

Yellow (38%)

Black (28%)



Cyan (28%)

Magenta (36%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 28.766, 89.161 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, 28.766, 89.161 by changing the saturation by 10% instead.

■ 68, 28.766, 89.161

■ 68, 28.766, 89.161

■ 100, 28.766,
89.161

■ 58, 28.766, 89.161

■ 88, 28.766, 89.161

■ 48, 28.766, 89.161

■ 98, 28.766, 89.161

■ 38, 28.766, 89.161

■ 28, 28.766, 89.161

■ 18, 28.766, 89.161

■ 8, 28.766, 89.161

■ 0, 28.766, 89.161

■ 68, 28.766, 89.161

■ 68, 28.766, 89.161

■ 66, 36.385, 87.813

■ 70, 21.146, 90.481

65, 43.855, 86.417

72, 13.597, 91.756

63, 50.918, 84.958

73, 6.156, 92.978

61, 57.133, 83.386

75, 1.162, 274.382

60, 61.861, 81.604

77, 8.354, 275.380

59, 64.667, 79.517

79, 15.423,
276.467

58, 65.081, 79.188

81, 22.377,
277.510

83, 25.888,
276.102

85, 23.594,
269.637

Harmonies

Complementary

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



68, 28.766, 89.161



56, 29.073, 280.176

Rectangle

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



68, 28.766, 89.161



68, 28.766, 139.161



68, 28.766, 269.161



68, 28.766, 319.161

Sweetspot

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



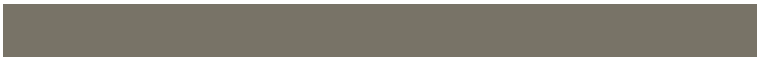
68, 28.767, 89.166



92, 10.888, 92.524



56, 30.827, 0.493



49, 7.226, 92.367



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



68, 28.767, 89.166



84, 42.697, 88.040



73, 38.076, 115.399



38, 4.128, 92.869



50, 57.347, 79.550



7, 10.067, 84.533

Inverse Universe

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



56, 29.073, 280.176



67, 43.417, 282.059



52, 41.613, 301.341



36, 4.143, 275.229



25, 70.648, 298.110



2, 12.182, 279.520

Previews

White Background



This preview shows how the CIELCh color 68, 28.766, 89.161 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, 28.766, 89.161 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, 28.766, 89.161

Background



This preview shows how black text looks on a background with the CIELCh color 68, 28.766, 89.161.



This preview shows how white text looks on a background with the CIELCh color 68, 28.766, 89.161.

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, 28.766, 89.161

Protanopia

68, 28.297, 96.047

Deuteranopia

68, 29.681, 73.226



Tritanopia
68, 14.626, 354.109

Trichromacy



Original Color
68, 28.766, 89.161

Protanomaly
68, 28.101, 93.326

Deuteranomaly
68, 28.867, 79.150

Tritanomaly
68, 13.289, 44.582

Monochromacy



Original Color
68, 28.766, 89.161

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 10.376, 91.262

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 28.766, 89.161 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(185, 164, 114)` looks like.

```
.text, #text, p{  
    color:rgb(185, 164, 114)  
}
```

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(185, 164, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 164, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 28.766, 89.161 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(185, 164, 114) }
```

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

```
.border{ border-color:rgb(185, 164, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 164, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 164, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 164, 114);  
box-shadow:4px 4px 4px 4px rgb(185, 164,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 28.766, 89.161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 164, 114) }
```

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

```
.background{ background-color: rgb(185,  
164, 114) }
```

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