

Converting Colors

CIELCh(68, 33.973, 88.163)

Have a look what the booklet for
CIELCh(68, 33.973, 88.163) contains.

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Color

CIELCh(68, 33.973, 88.163)

Conversions

Conversions Part 1

Format	Color
Hex	BCA368
RGB	188, 163, 104
RGB Percent	74%, 64%, 41%
CMY	0.2620, 0.3601, 0.5915
CMYK	0.00, 0.13, 0.45, 0.26
HSL	42°, 39%, 57%
HSV	42°, 45%, 74%
XYZ	36.4179, 37.9720, 18.5497
YIQ	163.7490, 33.8390, -13.0490

Conversions

Conversions Part 2

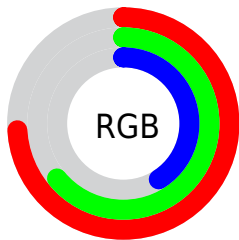
Format	Color
RYB	140, 188, 104
Decimal	12362600
CIELab	68.00, 1.09, 33.96
CIELCh	68, 33.973, 88.163
Yxy	37.9720, 0.3918, 0.4086
Android (android.graphics.Color)	4290552680 (0xFFBCA368)
YUV	163.7490, -29.4563, 21.2681
Hunter-Lab	61.6215, -2.3451, 25.2872

Details

The CIELCh color **68, 33.973, 88.163** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **54, 34.449, 281.439**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 34.106, 88.118**, and **48, 34.305, 88.655** is the 20% darker color. If you saturate the color by 10%, you get **66, 41.630, 86.785**, and if you desaturate by 10%, it is **70, 26.236, 89.509**.

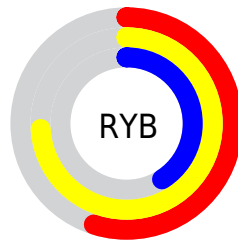
Distribution



Red (74%)

Green (64%)

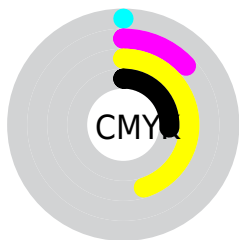
Blue (41%)



Red (55%)

Yellow (74%)

Blue (41%)

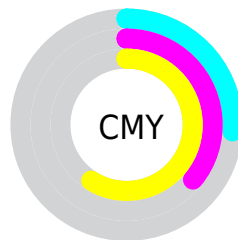


Cyan (0%)

Magenta (13%)

Yellow (45%)

Black (26%)



Cyan (26%)

Magenta (36%)

Yellow (59%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 33.973, 88.163 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, 33.973, 88.163 by changing the saturation by 10% instead.

 68, 33.973, 88.163

 68, 33.973, 88.163

 100, 33.973,
88.163

 58, 33.973, 88.163

 88, 33.973, 88.163

 48, 33.973, 88.163

 98, 33.973, 88.163

 38, 33.973, 88.163

 28, 33.973, 88.163

 18, 33.973, 88.163

 8, 33.973, 88.163

 0, 33.973, 88.163

 68, 33.973, 88.163

 68, 33.973, 88.163

 66, 41.630, 86.785

 70, 26.236, 89.509

65, 48.991, 85.348

72, 18.533, 90.813

63, 55.686, 83.819

73, 10.921, 92.075

61, 61.132, 82.121

75, 3.430, 93.260

60, 64.619, 80.119

77, 3.934, 274.555

59, 65.944, 78.969

79, 11.170,
275.653

81, 18.283,
276.728

83, 25.279,
277.755

85, 23.002,
271.260

Harmonies

Complementary

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



68, 33.973, 88.163



54, 34.449, 281.439

Rectangle

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



68, 33.973, 88.163



68, 33.973, 138.163



68, 33.973, 268.163



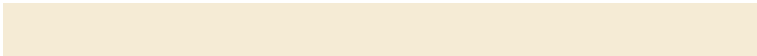
68, 33.973, 318.163

Sweetspot

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



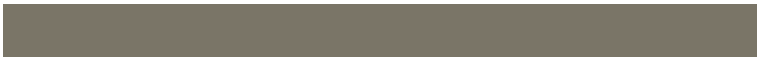
68, 33.974, 88.167



93, 11.987, 92.251



54, 36.503, 1.571



49, 8.401, 91.978



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



68, 33.974, 88.167



84, 50.934, 86.752



73, 44.598, 115.004



39, 4.214, 92.719



50, 58.011, 79.333



8, 11.462, 83.382

Inverse Universe

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



54, 34.449, 281.439



64, 52.211, 284.013



49, 49.638, 302.057



37, 4.229, 275.090



25, 71.389, 298.060



3, 13.856, 280.388

Previews

White Background



This preview shows how the CIELCh color 68, 33.973, 88.163 looks on a white background.

Color Contrast Check

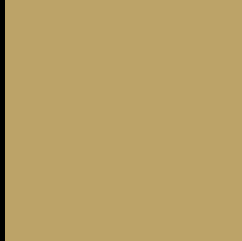
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 68, 33.973, 88.163 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, 33.973, 88.163

Background



This preview shows how black text looks on a background with the CIELCh color 68, 33.973, 88.163.



This preview shows how white text looks on a background with the CIELCh color 68, 33.973, 88.163.

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, 33.973, 88.163

Protanopia

68, 33.679, 95.657

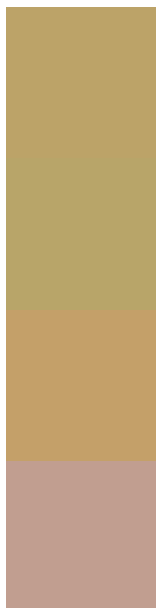
Deuteranopia

68, 34.699, 75.160



Tritanopia
68, 16.788, 358.031

Trichromacy



Original Color
68, 33.973, 88.163

Protanomaly
68, 33.610, 92.629

Deuteranomaly
68, 34.153, 79.641

Tritanomaly
68, 16.286, 48.407

Monochromacy



Original Color
68, 33.973, 88.163

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 12.600, 92.228

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 33.973, 88.163 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(188, 163, 104)` looks like.

```
.text, #text, p{  
    color:rgb(188, 163, 104)  
}
```

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(188, 163, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 163, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 33.973, 88.163 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(188, 163, 104) }
```

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

```
.border{ border-color:rgb(188, 163, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 163, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 163, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 163, 104);  
box-shadow:4px 4px 4px 4px rgb(188, 163,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 33.973, 88.163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 163, 104) }
```

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

```
.background{ background-color: rgb(188,  
163, 104) }
```

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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