

Converting Colors

CIELCh(68, 15.595, 83.708)

Have a look what the booklet for
CIELCh(68, 15.595, 83.708) contains.

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Color

CIELCh(68, 15.698, 84.137)

Conversions

Conversions Part 1

Format	Color
Hex	B4A48A
RGB	180, 164, 138
RGB Percent	71%, 64%, 54%
CMY	0.2950, 0.3577, 0.4597
CMYK	0.00, 0.09, 0.23, 0.30
HSL	37°, 22%, 62%
HSV	37°, 23%, 70%
XYZ	36.5729, 37.9720, 29.3613
YIQ	165.8200, 17.8820, -4.6940

Conversions

Conversions Part 2

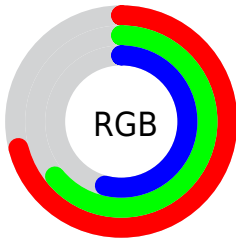
Format	Color
RYB	164, 180, 138
Decimal	11838602
CIELab	68.00, 1.60, 15.62
CIElCh	68, 15.698, 84.137
Yxy	37.9720, 0.3520, 0.3654
Android (android.graphics.Color)	4290028682 (0xFFB4A48A)
YUV	165.8200, -13.7153, 12.4359
Hunter-Lab	61.6215, -1.8960, 14.8846

Details

The CIELCh color **68, 15.698, 84.137** is a light color, and the websafe version is hex **999966**. A complement of this color would be **63, 15.399, 270.586**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 15.944, 84.931**, and **48, 15.629, 82.951** is the 20% darker color. If you saturate the color by 10%, you get **66, 22.721, 82.810**, and if you desaturate by 10%, it is **70, 8.853, 85.435**.

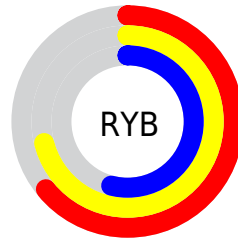
Distribution



Red (71%)

Green (64%)

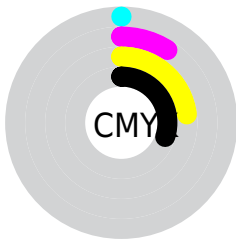
Blue (54%)



Red (64%)

Yellow (71%)

Blue (54%)

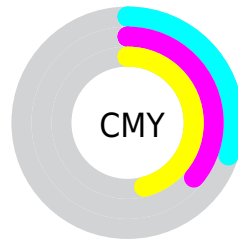


Cyan (0%)

Magenta (9%)

Yellow (23%)

Black (30%)



Cyan (30%)

Magenta (36%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 15.698, 84.137 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, 15.698, 84.137 by changing the saturation by 10% instead.

■ 68, 15.698, 84.137

■ 68, 15.698, 84.137

■ 100, 15.698,
84.137

■ 58, 15.698, 84.137

■ 88, 15.698, 84.137

■ 48, 15.698, 84.137

■ 98, 15.698, 84.137

■ 38, 15.698, 84.137

■ 28, 15.698, 84.137

■ 18, 15.698, 84.137

■ 8, 15.698, 84.137

■ 0, 15.698, 84.137

■ 68, 15.698, 84.137

■ 68, 15.698, 84.137

■ 66, 22.721, 82.810

■ 70, 8.853, 85.435

64, 29.890, 81.434

72, 2.189, 86.609

62, 37.134, 80.015

75, 4.298, 268.001

60, 44.304, 78.532

77, 10.621,
269.135

58, 51.108, 76.935

79, 16.792,
270.244

56, 57.041, 75.116

54, 61.374, 72.886

82, 22.824,
271.306

53, 63.538, 71.245

84, 24.622,
267.885

86, 22.350,
258.359

87, 20.798,
247.183

Harmonies

Complementary

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



68, 15.698, 84.137



63, 15.399, 270.586

Rectangle

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



68, 15.698, 84.137



68, 15.698, 134.137



68, 15.698, 264.137



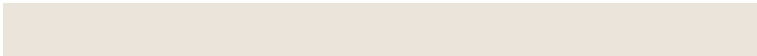
68, 15.698, 314.137

Sweetspot

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



68, 15.699, 84.145



91, 5.707, 86.201



62, 18.700, 352.745



48, 3.709, 86.132



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



68, 15.699, 84.145



85, 23.529, 83.466



72, 22.697, 112.930



37, 3.710, 85.938



46, 56.393, 71.690



5, 8.077, 76.307

Inverse Universe

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



63, 15.399, 270.586



78, 22.971, 271.519



59, 23.929, 296.906



35, 3.690, 268.402



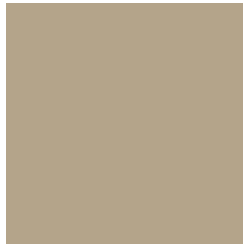
28, 60.777, 293.123



3, 9.742, 274.140

Previews

White Background



This preview shows how the CIELCh color 68, 15.698, 84.137 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, 15.698, 84.137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

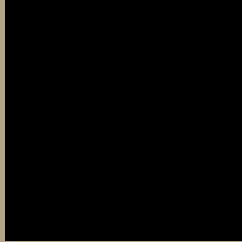
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 15.698, 84.137

Background



This preview shows how black text looks on a background with the CIELCh color 68, 15.698, 84.137.



This preview shows how white text looks on a background with the CIELCh color 68, 15.698, 84.137.

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, 15.698, 84.137

Protanopia

68, 14.810, 92.820

Deuteranopia

68, 17.250, 59.431



Tritanopia
68, 11.602, 345.878

Trichromacy



Original Color
68, 15.698, 84.137

Protanomaly
68, 15.058, 89.829

Deuteranomaly
68, 16.184, 67.798

Tritanomaly
68, 8.276, 27.667

Monochromacy



Original Color
68, 15.698, 84.137

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 5.448, 84.282

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 15.698, 84.137 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(180, 164, 138)` looks like.

```
.text, #text, p{  
    color:rgb(180, 164, 138)  
}
```

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(180, 164, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 164, 138) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 15.698, 84.137 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(180, 164, 138) }
```

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

```
.border{ border-color:rgb(180, 164, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 164, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 164, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 164, 138);  
box-shadow:4px 4px 4px 4px rgb(180, 164,  
138) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 15.698, 84.137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 164, 138) }
```

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

```
.background{ background-color: rgb(180,  
164, 138) }
```

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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