

Converting Colors

CIELCh(68, 32.070, 100.757)

Have a look what the booklet for
CIELCh(68, 32.070, 100.757)
contains.

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Color

CIELCh(68, 32.120, 100.735)

Conversions

Conversions Part 1

Format	Color
Hex	AFA76C
RGB	175, 167, 108
RGB Percent	69%, 65%, 42%
CMY	0.3126, 0.3440, 0.5755
CMYK	0.00, 0.05, 0.38, 0.31
HSL	53°, 30%, 56%
HSV	53°, 38%, 69%
XYZ	34.3315, 37.9720, 19.7793
YIQ	162.6660, 23.7070, -16.6530

Conversions

Conversions Part 2

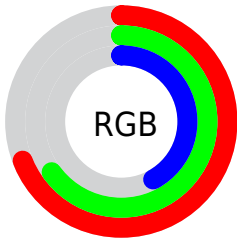
Format	Color
RYB	117, 175, 108
Decimal	11511660
CIELab	68.00, -5.98, 31.56
CIELCh	68, 32.120, 100.735
Yxy	37.9720, 0.3728, 0.4124
Android (android.graphics.Color)	4289701740 (0xFFAFA76C)
YUV	162.6660, -26.9503, 10.8169
Hunter-Lab	61.6215, -8.3887, 24.1040

Details

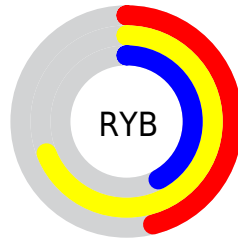
The CIELCh color **68, 32.120, 100.735** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **51, 34.473, 290.223**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 32.182, 101.100**, and **48, 32.132, 100.759** is the 20% darker color. If you saturate the color by 10%, you get **67, 40.215, 99.651**, and if you desaturate by 10%, it is **69, 23.806, 101.831**.

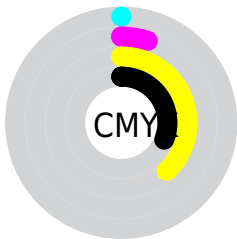
Distribution



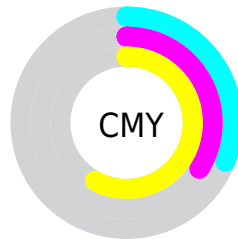
- Red (69%)
- Green (65%)
- Blue (42%)



- Red (46%)
- Yellow (69%)
- Blue (42%)



- Cyan (0%)
- Magenta (5%)
- Yellow (38%)
- Black (31%)





- Cyan (31%)
- Magenta (34%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 32.120, 100.735 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, 32.120, 100.735 by changing the saturation by 10% instead.


 68, 32.120,
100.735


 68, 32.120,
100.735


 100, 32.120,
100.735


 58, 32.120,
100.735


 88, 32.120,
100.735

 48, 32.120,
100.735

 98, 32.120,
100.735

 38, 32.120,
100.735

 28, 32.120,
100.735

 18, 32.120,
100.735

 8, 32.120, 100.735

 0, 32.120, 100.735

68, 32.120,
100.735

68, 32.120,
100.735

67, 40.215, 99.651

69, 23.806,
101.831

66, 47.893, 98.581

70, 15.389,
102.914

66, 54.853, 97.545

65, 60.658, 96.556

71, 6.942, 103.971

64, 64.787, 95.614

72, 1.494, 285.095

64, 67.030, 94.704

73, 9.893, 286.040

64, 67.375, 94.547

74, 18.239,
287.001

75, 26.524,
287.922

76, 34.743,
288.800

■ 77, 37.059,
288.318

Harmonies

Complementary

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



68, 32.120, 100.735



51, 34.473, 290.223

Rectangle

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



68, 32.120, 100.735



68, 32.120, 150.735



68, 32.120, 280.735



68, 32.120, 330.735

Sweetspot

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



68, 32.121, 100.739



89, 11.445, 103.663



53, 28.554, 12.880



47, 7.754, 103.524



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



68, 32.121, 100.739



85, 47.382, 99.807



68, 37.380, 122.294



36, 4.731, 103.861



55, 60.260, 94.658



6, 9.504, 102.214

Inverse Universe

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



51, 34.473, 290.223



59, 52.006, 291.918



51, 40.131, 306.639



34, 4.808, 285.884



19, 84.035, 304.279



1, 10.260, 285.930

Previews

White Background



This preview shows how the CIELCh color 68, 32.120, 100.735 looks on a white background.

Color Contrast Check

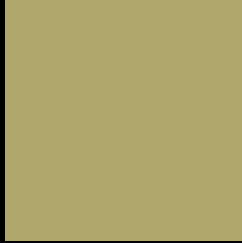
Large Text (above 18pt) WCAG AA × Fail

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, 32.120, 100.735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

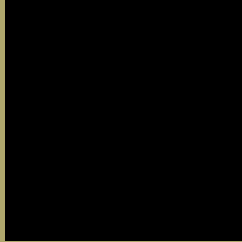
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 32.120, 100.735

Background



This preview shows how black text looks on a background with the CIELCh color 68, 32.120, 100.735.



This preview shows how white text looks on a background with the CIELCh color 68, 32.120, 100.735.

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, 32.120, 100.735

Protanopia

68, 32.038, 96.087

Deuteranopia

68, 32.104, 73.753



Tritanopia
68, 11.311, 341.259

Trichromacy



Original Color
68, 32.120, 100.735

Protanomaly
68, 31.876, 97.607

Deuteranomaly
68, 31.211, 83.501

Tritanomaly
68, 10.138, 64.364

Monochromacy



Original Color
68, 32.120, 100.735

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 12.091, 105.134

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 32.120, 100.735 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(175, 167, 108)` looks like.

```
.text, #text, p{  
    color:rgb(175, 167, 108)  
}
```

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(175, 167, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 167, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 32.120, 100.735 is called "border". The border property can be set on classes, ids or directly on the HTML element.

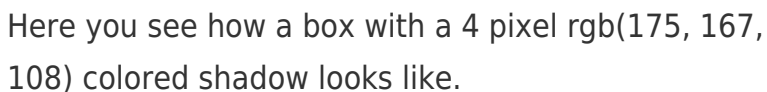
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(175, 167, 108) }
```

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

```
.border{ border-color:rgb(175, 167, 108) }
```

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



Here you see how a box with a 4 pixel `rgb(175, 167, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 167, 108); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 167, 108); box-shadow:4px 4px 4px 4px rgb(175, 167, 108) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 32.120, 100.735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 167, 108) }
```

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

```
.background{ background-color: rgb(175,  
167, 108) }
```

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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