

Converting Colors

CIELCh(68, 37.391, 99.636)

Have a look what the booklet for
CIELCh(68, 37.391, 99.636) contains.

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Color

CIELCh(68, 37.391, 99.636)

Conversions

Conversions Part 1

Format	Color
Hex	B1A762
RGB	177, 167, 98
RGB Percent	69%, 65%, 38%
CMY	0.3050, 0.3443, 0.6149
CMYK	0.00, 0.06, 0.45, 0.31
HSL	52°, 34%, 54%
HSV	52°, 45%, 69%
XYZ	34.2518, 37.9720, 17.1281
YIQ	162.1240, 28.1090, -19.3390

Conversions

Conversions Part 2

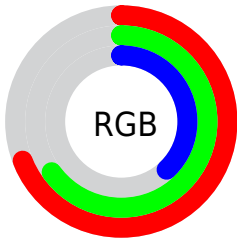
Format	Color
RYB	109, 177, 98
Decimal	11642722
CIELab	68.00, -6.26, 36.86
CIELCh	68, 37.391, 99.636
Yxy	37.9720, 0.3833, 0.4250
Android (android.graphics.Color)	4289832802 (0xFFB1A762)
YUV	162.1240, -31.6131, 13.0463
Hunter-Lab	61.6215, -8.6197, 26.6550

Details

The CIELCh color **68, 37.391, 99.636** is a light color, and the websafe version is hex **999966**. A complement of this color would be **48, 40.703, 291.137**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 37.348, 99.613**, and **48, 37.377, 99.227** is the 20% darker color. If you saturate the color by 10%, you get **67, 45.287, 98.547**, and if you desaturate by 10%, it is **69, 29.170, 100.743**.

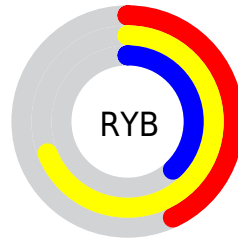
Distribution



Red (69%)

Green (65%)

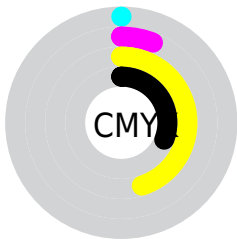
Blue (38%)



Red (43%)

Yellow (69%)

Blue (38%)

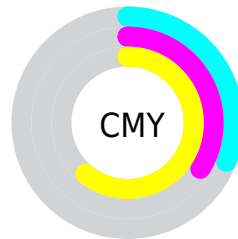


Cyan (0%)

Magenta (6%)

Yellow (45%)

Black (31%)



Cyan (31%)

Magenta (34%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 37.391, 99.636 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, 37.391, 99.636 by changing the saturation by 10% instead.

68, 37.391, 99.636

68, 37.391, 99.636

100, 37.391,
99.636

58, 37.391, 99.636

88, 37.391, 99.636

48, 37.391, 99.636

98, 37.391, 99.636

38, 37.391, 99.636

28, 37.391, 99.636

18, 37.391, 99.636

8, 37.391, 99.636

0, 37.391, 99.636

68, 37.391, 99.636

68, 37.391, 99.636

67, 45.287, 98.547

69, 29.170,

66, 52.593, 97.479	100.743
66, 58.919, 96.448	70, 20.782, 101.843
65, 63.752, 95.457	71, 12.328, 102.927
64, 66.601, 94.495	72, 3.867, 103.973
64, 67.626, 93.982	73, 4.569, 285.058
	74, 12.957, 286.040
	75, 21.287, 286.992
	76, 29.551, 287.903
	77, 36.318, 288.428

Harmonies

Complementary

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



68, 37.391, 99.636



48, 40.703, 291.137

Rectangle

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



68, 37.391, 99.636



68, 37.391, 149.636



68, 37.391, 279.636



68, 37.391, 329.636

Sweetspot

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



68, 37.392, 99.639



89, 13.553, 103.074



51, 34.039, 14.032



47, 9.477, 102.842



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, 37.392, 99.639



85, 55.251, 98.511



69, 43.712, 121.984



37, 4.810, 103.486



56, 60.737, 94.095



7, 10.960, 101.290

Inverse Universe

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



48, 40.703, 291.137



55, 62.034, 293.410



48, 47.600, 307.112



35, 4.886, 285.530



19, 84.679, 304.144



1, 12.036, 285.913

Previews

White Background



This preview shows how the CIELCh color 68, 37.391, 99.636 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, 37.391, 99.636 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, 37.391, 99.636

Background



This preview shows how black text looks on a background with the CIELCh color 68, 37.391, 99.636.



This preview shows how white text looks on a background with the CIELCh color 68, 37.391, 99.636.

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, 37.391, 99.636

Protanopia

68, 37.264, 96.252

Deuteranopia

68, 37.299, 76.316



Tritanopia
68, 11.920, 346.978

Trichromacy



Original Color
68, 37.391, 99.636

Protanomaly
68, 37.183, 96.913

Deuteranomaly
68, 36.544, 84.762

Tritanomaly
68, 12.362, 68.537

Monochromacy



Original Color
68, 37.391, 99.636

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 13.810, 102.041

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 37.391, 99.636 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(177, 167, 98)` looks like.

```
.text, #text, p{  
    color:rgb(177, 167, 98)  
}
```

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(177, 167, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 167, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 37.391, 99.636 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(177, 167, 98) }
```

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

```
.border{ border-color:rgb(177, 167, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 167, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 167, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 167, 98);  
box-shadow:4px 4px 4px 4px rgb(177, 167,  
98) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 37.391, 99.636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 167, 98) }
```

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

```
.background{ background-color: rgb(177,  
167, 98) }
```

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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