

Converting Colors

CIELCh(68, 36.018, 68.000)

Have a look what the booklet for
CIELCh(68, 36.018, 68.000) contains.

CIELCh(68, 36.103, 67.321)	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, 36.103, 67.321)

Conversions

Conversions Part 1

Format	Color
Hex	D09B6A
RGB	208, 155, 106
RGB Percent	82%, 61%, 42%
CMY	0.1837, 0.3915, 0.5837
CMYK	0.00, 0.25, 0.49, 0.18
HSL	29°, 52%, 62%
HSV	29°, 49%, 82%
XYZ	40.4161, 37.9720, 18.8748
YIQ	165.2610, 47.3170, -4.0030

Conversions

Conversions Part 2

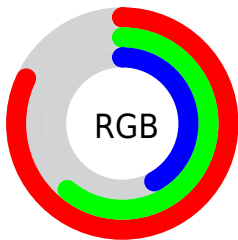
Format	Color
R_{YB}	208, 200, 106
Decimal	13671274
CIE _{Lab}	68.00, 13.92, 33.31
CIE _{LCh}	68, 36.103, 67.321
Yxy	37.9720, 0.4155, 0.3904
Android (android.graphics.Color)	4291861354 (0xFFD09B6A)
YUV	165.2610, -29.2157, 37.4821
Hunter-Lab	61.6215, 9.2365, 24.9743

Details

The CIELCh color **68, 36.103, 67.321** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **64, 30.739, 262.388**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 32.784, 73.231**, and **48, 35.870, 67.320** is the 20% darker color. If you saturate the color by 10%, you get **65, 44.458, 66.091**, and if you desaturate by 10%, it is **71, 28.034, 68.544**.

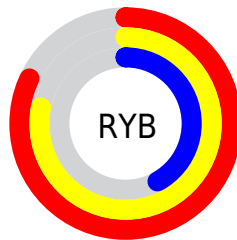
Distribution



Red (82%)

Green (61%)

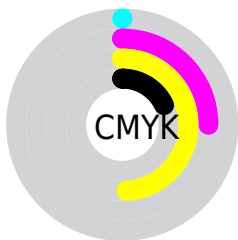
Blue (42%)



Red (82%)

Yellow (78%)

Blue (42%)

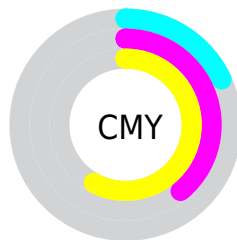


Cyan (0%)

Magenta (25%)

Yellow (49%)

Black (18%)



Cyan (18%)

Magenta (39%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 36.103, 67.321 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, 36.103, 67.321 by changing the saturation by 10% instead.

■ 68, 36.103, 67.321

■ 68, 36.103, 67.321

■ 100, 36.103,
67.321

■ 58, 36.103, 67.321

■ 88, 36.103, 67.321

■ 48, 36.103, 67.321

■ 98, 36.103, 67.321

■ 38, 36.103, 67.321

■ 28, 36.103, 67.321

■ 18, 36.103, 67.321

■ 8, 36.103, 67.321

■ 0, 36.103, 67.321

■ 68, 36.103, 67.321

■ 68, 36.103, 67.321

■ 65, 44.458, 66.091

■ 71, 28.034, 68.544

62, 52.913, 64.793

74, 20.322, 69.757

60, 61.066, 63.321

77, 12.982, 70.962

57, 68.152, 61.437

81, 5.999, 72.132

55, 73.392, 58.911

84, 0.653, 253.990

55, 73.904, 58.678

87, 7.006, 254.603

91, 13.093,
255.706

93, 12.907,
231.084

96, 14.762,
203.519

Harmonies

Complementary

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



68, 36.103, 67.321



64, 30.739, 262.388

Rectangle

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



68, 36.103, 67.321



68, 36.103, 117.321



68, 36.103, 247.321



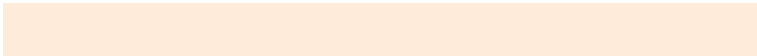
68, 36.103, 297.321

Sweetspot

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



68, 36.103, 67.326



94, 11.962, 71.417



58, 47.903, 346.861



49, 8.205, 71.165



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 36.103, 67.326



78, 52.481, 66.005



81, 50.574, 103.992



42, 3.796, 72.087



45, 62.873, 59.291



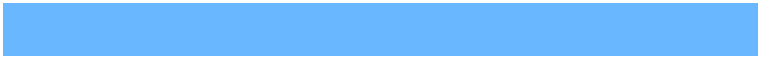
9, 15.717, 56.197

Inverse Universe

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



64, 30.739, 262.388



72, 43.083, 265.631



50, 57.423, 296.061



42, 3.703, 254.530



37, 50.518, 281.728



6, 15.782, 270.149

Previews

White Background



This preview shows how the CIELCh color 68, 36.103, 67.321 looks on a white background.

Color Contrast Check

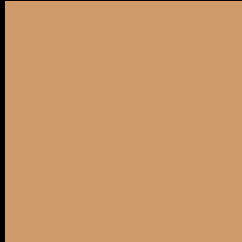
Large Text (above 18pt) WCAG AA × Fail

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, 36.103, 67.321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

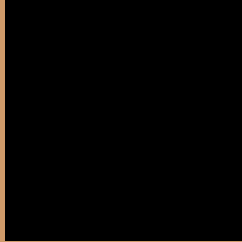
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 36.103, 67.321

Background



This preview shows how black text looks on a background with the CIELCh color 68, 36.103, 67.321.



This preview shows how white text looks on a background with the CIELCh color 68, 36.103, 67.321.

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, 36.103, 67.321

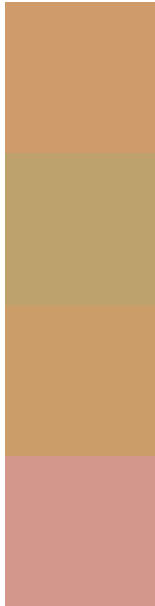
Protanopia
68, 30.999, 95.866

Deuteranopia
68, 34.877, 76.158



Tritanopia
68, 26.408, 7.832

Trichromacy



Original Color
68, 36.103, 67.321

Protanomaly
68, 31.490, 84.549

Deuteranomaly
68, 35.474, 73.407

Tritanomaly
68, 25.720, 34.984

Monochromacy



Original Color
68, 36.103, 67.321

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 12.378, 68.526

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 36.103, 67.321 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(208, 155, 106)` looks like.

```
.text, #text, p{  
    color:rgb(208, 155, 106)  
}
```

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(208, 155, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 155, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 36.103, 67.321 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(208, 155, 106) }
```

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

```
.border{ border-color:rgb(208, 155, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 155, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 155, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 155, 106);  
box-shadow:4px 4px 4px 4px rgb(208, 155,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 36.103, 67.321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 155, 106) }
```

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

```
.background{ background-color: rgb(208,  
155, 106) }
```

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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