

Converting Colors

CIELCh(68, 37.448, 57.227)

Have a look what the booklet for
CIELCh(68, 37.448, 57.227) contains.

CIELCh(68, 37.367, 57.385)	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, 37.367, 57.385)

Conversions

Conversions Part 1

Format	Color
Hex	D9976E
RGB	217, 151, 110
RGB Percent	85%, 59%, 43%
CMY	0.1493, 0.4081, 0.5689
CMYK	0.00, 0.30, 0.49, 0.15
HSL	23°, 58%, 64%
HSV	23°, 49%, 85%
XYZ	42.4554, 37.9720, 19.8230
YIQ	166.0600, 52.4970, 1.2410

Conversions

Conversions Part 2

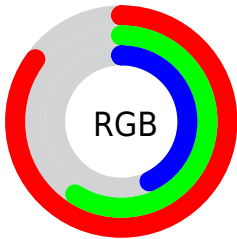
Format	Color
R _Y B	217, 176, 110
Decimal	14260078
CIE Lab	68.00, 20.14, 31.47
CIE LCh	68, 37.367, 57.385
Yxy	37.9720, 0.4235, 0.3788
Android (android.graphics.Color)	4292450158 (0xFFD9976E)
YUV	166.0600, -27.6376, 44.6744
Hunter-Lab	61.6215, 15.1437, 24.0621

Details

The CIELCh color **68, 37.367, 57.385** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **69, 28.927, 250.048**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 30.560, 66.908**, and **48, 37.455, 57.953** is the 20% darker color. If you saturate the color by 10%, you get **65, 46.394, 56.623**, and if you desaturate by 10%, it is **72, 28.806, 58.203**.

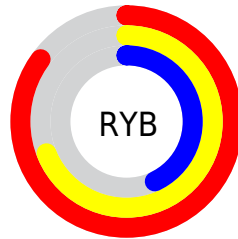
Distribution



Red (85%)

Green (59%)

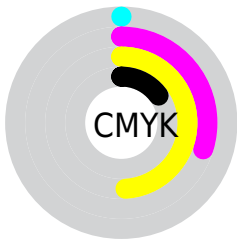
Blue (43%)



Red (85%)

Yellow (69%)

Blue (43%)

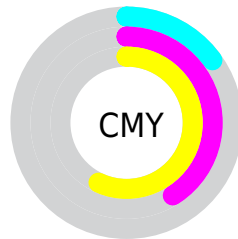


Cyan (0%)

Magenta (30%)

Yellow (49%)

Black (15%)



Cyan (15%)

Magenta (41%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 37.367, 57.385 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, 37.367, 57.385 by changing the saturation by 10% instead.

68, 37.367, 57.385

68, 37.367, 57.385

100, 37.367,
57.385

58, 37.367, 57.385

88, 37.367, 57.385

48, 37.367, 57.385

98, 37.367, 57.385

38, 37.367, 57.385

28, 37.367, 57.385

18, 37.367, 57.385

8, 37.367, 57.385

0, 37.367, 57.385

68, 37.367, 57.385

68, 37.367, 57.385

65, 46.394, 56.623

72, 28.806, 58.203

61, 55.730, 55.862

75, 20.763, 59.069

58, 64.982, 54.986

79, 13.230, 59.973

56, 73.331, 53.713

83, 6.176, 60.880

53, 79.797, 51.758

87, 0.442, 243.021

53, 80.229, 51.646

91, 6.670, 242.970

95, 10.600,
229.390

97, 12.798,
198.651

Harmonies

Complementary

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



68, 37.367, 57.385



69, 28.927, 250.048

Rectangle

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



68, 37.367, 57.385



68, 37.367, 107.385



68, 37.367, 237.385



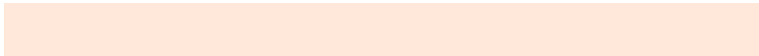
68, 37.367, 287.385

Sweetspot

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



68, 37.366, 57.390



93, 11.550, 60.356



61, 52.842, 341.398



49, 7.936, 60.161



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, 37.366, 57.390



75, 52.648, 56.607



81, 48.226, 98.657



44, 3.796, 60.870



43, 67.539, 52.233



9, 18.832, 46.776

Inverse Universe

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



69, 28.927, 250.048



76, 38.328, 253.008



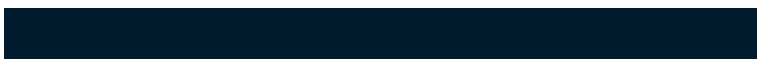
55, 53.179, 291.979



44, 3.648, 242.941



44, 42.520, 269.707



9, 15.115, 259.010

Previews

White Background



This preview shows how the CIELCh color 68, 37.367, 57.385 looks on a white background.

Color Contrast Check

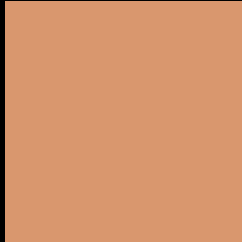
Large Text (above 18pt) WCAG AA × Fail

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, 37.367, 57.385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

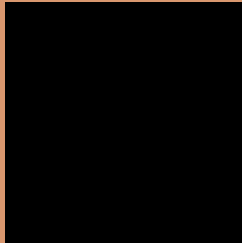
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 37.367, 57.385

Background



This preview shows how black text looks on a background with the CIELCh color 68, 37.367, 57.385.



This preview shows how white text looks on a background with the CIELCh color 68, 37.367, 57.385.

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](#).

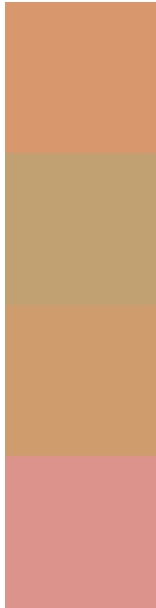
Dichromacy





Tritanopia
68, 30.790, 11.472

Trichromacy



Original Color
68, 37.367, 57.385

Protanomaly
68, 29.353, 79.557

Deuteranomaly
68, 34.268, 67.982

Tritanomaly
68, 30.780, 30.297

Monochromacy



Original Color
68, 37.367, 57.385

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 12.750, 59.991

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 37.367, 57.385 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(217, 151, 110)` looks like.

```
.text, #text, p{  
    color:rgb(217, 151, 110)  
}
```

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(217, 151, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 151, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 37.367, 57.385 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(217, 151, 110) }
```

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

```
.border{ border-color:rgb(217, 151, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 151, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 151, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 151, 110);  
box-shadow:4px 4px 4px 4px rgb(217, 151,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 37.367, 57.385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 151, 110) }
```

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

```
.background{ background-color: rgb(217,  
151, 110) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor