

Converting Colors

CIELCh(68, 40.476, 61.668)

Have a look what the booklet for
CIELCh(68, 40.476, 61.668) contains.

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Color

CIELCh(68, 40.552, 61.390)

Conversions

Conversions Part 1

Format	Color
Hex	D99766
RGB	217, 151, 102
RGB Percent	85%, 59%, 40%
CMY	0.1479, 0.4068, 0.5991
CMYK	0.00, 0.30, 0.53, 0.15
HSL	26°, 60%, 63%
HSV	26°, 53%, 85%
XYZ	42.2151, 37.9720, 17.7362
YIQ	165.1480, 55.0650, -1.2470

Conversions

Conversions Part 2

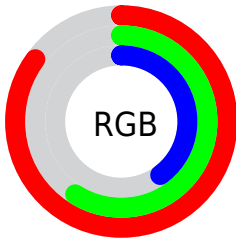
Format	Color
RYB	217, 187, 102
Decimal	14260070
CIELab	68.00, 19.42, 35.60
CIElCh	68, 40.552, 61.390
Yxy	37.9720, 0.4311, 0.3878
Android (android.graphics.Color)	4292450150 (0xFFD99766)
YUV	165.1480, -31.1320, 45.4742
Hunter-Lab	61.6215, 14.4477, 26.0699

Details

The CIELCh color **68, 40.552, 61.390** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **66, 32.115, 256.842**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 33.946, 70.929**, and **48, 40.406, 61.347** is the 20% darker color. If you saturate the color by 10%, you get **65, 49.516, 60.385**, and if you desaturate by 10%, it is **71, 31.937, 62.408**.

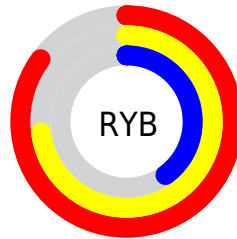
Distribution



Red (85%)

Green (59%)

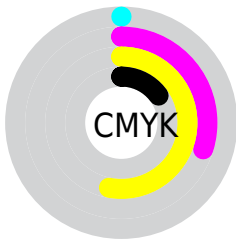
Blue (40%)



Red (85%)

Yellow (73%)

Blue (40%)

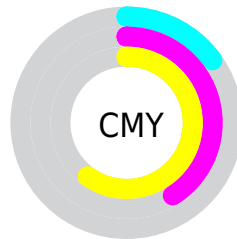


Cyan (0%)

Magenta (30%)

Yellow (53%)

Black (15%)



Cyan (15%)

Magenta (41%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 40.552, 61.390 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, 40.552, 61.390 by changing the saturation by 10% instead.

68, 40.552, 61.390

68, 40.552, 61.390

100, 40.552,
61.390

58, 40.552, 61.390

88, 40.552, 61.390

48, 40.552, 61.390

98, 40.552, 61.390

38, 40.552, 61.390

28, 40.552, 61.390

18, 40.552, 61.390

8, 40.552, 61.390

0, 40.552, 61.390

68, 40.552, 61.390

68, 40.552, 61.390

65, 49.516, 60.385

71, 31.937, 62.408

62, 58.590, 59.314

75, 23.766, 63.445

59, 67.237, 58.014

78, 16.058, 64.502

56, 74.462, 56.148

82, 8.794, 65.562

55, 78.471, 54.493

86, 1.940, 66.467

89, 4.543, 247.881

93, 10.696,
248.889

96, 11.469,
209.050

97, 12.681,
198.659

Harmonies

Complementary

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



68, 40.552, 61.390



66, 32.115, 256.842

Rectangle

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



68, 40.552, 61.390



68, 40.552, 111.390



68, 40.552, 241.390



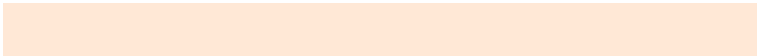
68, 40.552, 291.390

Sweetspot

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



68, 40.551, 61.395



93, 12.493, 65.225



59, 54.700, 344.531



49, 8.487, 65.005



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, 40.551, 61.395



75, 57.552, 60.217



82, 53.846, 101.065



44, 3.845, 65.923



44, 66.014, 55.110



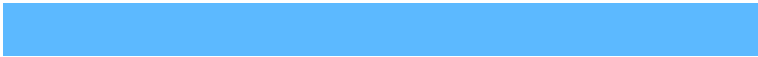
10, 18.542, 51.378

Inverse Universe

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



66, 32.115, 256.842



72, 43.123, 260.619



51, 61.144, 294.983



44, 3.719, 248.204



41, 46.344, 275.549



9, 16.104, 265.028

Previews

White Background



This preview shows how the CIELCh color 68, 40.552, 61.390 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, 40.552, 61.390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

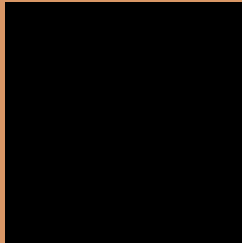
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 40.552, 61.390

Background



This preview shows how black text looks on a background with the CIELCh color 68, 40.552, 61.390.

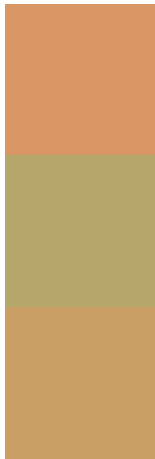


This preview shows how white text looks on a background with the CIELCh color 68, 40.552, 61.390.

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, 40.552, 61.390

Protanopia

68, 32.129, 95.333

Deuteranopia

68, 37.010, 76.922



Tritanopia
68, 31.168, 12.658

Trichromacy



Original Color
68, 40.552, 61.390

Protanomaly
68, 33.479, 81.634

Deuteranomaly
68, 38.131, 70.865

Tritanomaly
68, 31.311, 33.123

Monochromacy



Original Color
68, 40.552, 61.390

Achromatopsia
68, 0.008, 296.813

Achromatomaly
67, 13.948, 64.821

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 40.552, 61.390 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, 102)` looks like.

```
.text, #text, p{  
    color:rgb(217, 151, 102)  
}
```

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, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 151, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 40.552, 61.390 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, 102) }
```

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

```
.border{ border-color:rgb(217, 151, 102) }
```

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, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 151, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 151, 102);  
box-shadow:4px 4px 4px 4px rgb(217, 151,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 40.552, 61.390 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, 102) }
```

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

```
.background{ background-color: rgb(217,  
151, 102) }
```

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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