

Converting Colors

CIELCh(68, 40.874, 58.436)

Have a look what the booklet for
CIELCh(68, 40.874, 58.436) contains.

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Color

CIELCh(68, 40.811, 58.451)

Conversions

Conversions Part 1

Format	Color
Hex	DC9668
RGB	220, 150, 104
RGB Percent	86%, 59%, 41%
CMY	0.1377, 0.4122, 0.5926
CMYK	0.00, 0.32, 0.53, 0.14
HSL	24°, 62%, 63%
HSV	24°, 53%, 86%
XYZ	42.8609, 37.9720, 18.1395
YIQ	165.6860, 56.4860, 0.5340

Conversions

Conversions Part 2

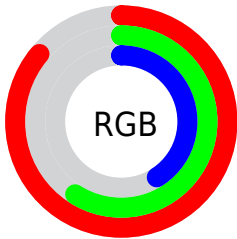
Format	Color
RYB	220, 180, 104
Decimal	14456424
CIELab	68.00, 21.35, 34.78
CIELCh	68, 40.811, 58.451
Yxy	37.9720, 0.4331, 0.3837
Android (android.graphics.Color)	4292646504 (0xFFDC9668)
YUV	165.6860, -30.4112, 47.6334
Hunter-Lab	61.6215, 16.3183, 25.6818

Details

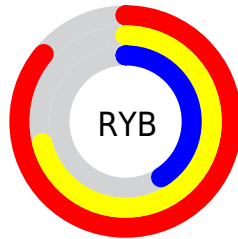
The CIELCh color **68, 40.811, 58.451** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **68, 31.364, 252.845**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 32.966, 68.970**, and **48, 40.749, 58.347** is the 20% darker color. If you saturate the color by 10%, you get **65, 50.004, 57.614**, and if you desaturate by 10%, it is **72, 32.028, 59.324**.

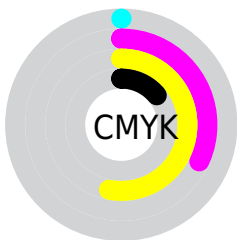
Distribution



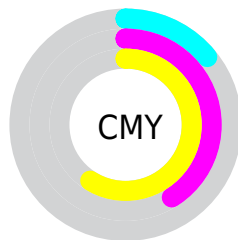
- Red (86%)
- Green (59%)
- Blue (41%)



- Red (86%)
- Yellow (71%)
- Blue (41%)



- Cyan (0%)
- Magenta (32%)
- Yellow (53%)
- Black (14%)



- Cyan (14%)
- Magenta (41%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 40.811, 58.451 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, 40.811, 58.451 by changing the saturation by 10% instead.

68, 40.811, 58.451

68, 40.811, 58.451

100, 40.811,
58.451

58, 40.811, 58.451

88, 40.811, 58.451

48, 40.811, 58.451

98, 40.811, 58.451

38, 40.811, 58.451

28, 40.811, 58.451

18, 40.811, 58.451

8, 40.811, 58.451

0, 40.811, 58.451

68, 40.811, 58.451

68, 40.811, 58.451

65, 50.004, 57.614

72, 32.028, 59.324

61, 59.379, 56.736

75, 23.741, 60.236

59, 68.411, 55.656

79, 15.959, 61.185

56, 76.082, 54.021

83, 8.660, 62.149

54, 80.473, 52.468

87, 1.805, 62.945

91, 4.651, 244.323

94, 9.828, 238.992

98, 11.842,
198.715

Harmonies

Complementary

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



68, 40.811, 58.451



68, 31.364, 252.845

Rectangle

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



68, 40.811, 58.451



68, 40.811, 108.451



68, 40.811, 238.451



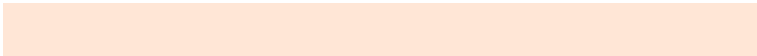
68, 40.811, 288.451

Sweetspot

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



68, 40.810, 58.456



93, 12.392, 61.824



60, 56.142, 342.676



49, 8.422, 61.623



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, 40.810, 58.456



74, 56.738, 57.548



82, 52.668, 99.237



44, 3.808, 62.461



43, 67.051, 53.097



9, 18.729, 48.184

Inverse Universe

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



68, 31.364, 252.845



74, 41.046, 256.245



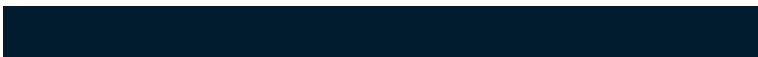
53, 59.080, 293.527



44, 3.667, 244.604



43, 43.665, 271.620



9, 15.406, 260.955

Previews

White Background



This preview shows how the CIELCh color 68, 40.811, 58.451 looks on a white background.

Color Contrast Check

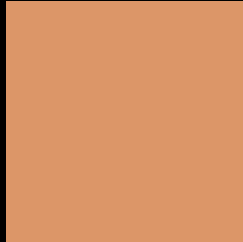
Large Text (above 18pt) WCAG AA × Fail

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, 40.811, 58.451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

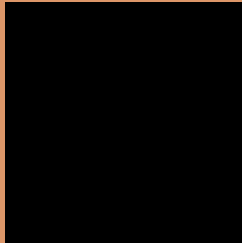
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 40.811, 58.451

Background



This preview shows how black text looks on a background with the CIELCh color 68, 40.811, 58.451.



This preview shows how white text looks on a background with the CIELCh color 68, 40.811, 58.451.

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, 40.811, 58.451

Protanopia

68, 30.999, 95.866

Deuteranopia

68, 36.538, 76.597



Tritanopia
68, 32.856, 12.447

Trichromacy



Original Color
68, 40.811, 58.451

Protanomaly
68, 32.479, 79.291

Deuteranomaly
68, 37.521, 69.571

Tritanomaly
68, 32.853, 31.836

Monochromacy



Original Color
68, 40.811, 58.451

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 14.159, 61.030

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 40.811, 58.451 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(220, 150, 104)` looks like.

```
.text, #text, p{  
    color:rgb(220, 150, 104)  
}
```

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(220, 150, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 150, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 40.811, 58.451 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(220, 150, 104) }
```

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

```
.border{ border-color:rgb(220, 150, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 150, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 150, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 150, 104);  
box-shadow:4px 4px 4px 4px rgb(220, 150,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 40.811, 58.451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 150, 104) }
```

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

```
.background{ background-color: rgb(220,  
150, 104) }
```

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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