

Converting Colors

CIELCh(68, 48.550, 70.811)

Have a look what the booklet for
CIELCh(68, 48.550, 70.811) contains.

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Color

CIELCh(68, 48.550, 70.811)

Conversions

Conversions Part 1

Format	Color
Hex	D79952
RGB	215, 153, 82
RGB Percent	84%, 60%, 32%
CMY	0.1557, 0.3990, 0.6775
CMYK	0.00, 0.29, 0.62, 0.16
HSL	32°, 63%, 58%
HSV	32°, 62%, 84%
XYZ	41.0767, 37.9720, 13.1962
YIQ	163.4440, 59.7430, -8.9370

Conversions

Conversions Part 2

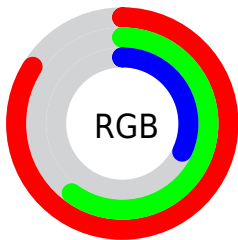
Format	Color
RYB	198, 215, 82
Decimal	14129490
CIELab	68.00, 15.96, 45.85
CIElCh	68, 48.550, 70.811
Yxy	37.9720, 0.4453, 0.4116
Android (android.graphics.Color)	4292319570 (0xFFD79952)
YUV	163.4440, -40.1519, 45.2146
Hunter-Lab	61.6215, 11.1501, 30.4381

Details

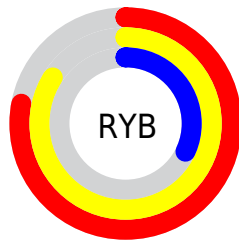
The CIELCh color **68, 48.550, 70.811** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **59, 42.353, 272.209**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 43.736, 79.528**, and **48, 48.517, 71.099** is the 20% darker color. If you saturate the color by 10%, you get **65, 56.885, 69.303**, and if you desaturate by 10%, it is **71, 40.076, 72.219**.

Distribution



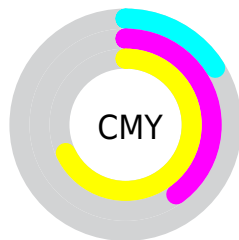
- Red (84%)
- Green (60%)
- Blue (32%)



- Red (78%)
- Yellow (84%)
- Blue (32%)



- Cyan (0%)
- Magenta (29%)
- Yellow (62%)
- Black (16%)



- Cyan (16%)
- Magenta (40%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 48.550, 70.811 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, 48.550, 70.811 by changing the saturation by 10% instead.

68, 48.550, 70.811

68, 48.550, 70.811

100, 48.550,
70.811

58, 48.550, 70.811

88, 48.550, 70.811

48, 48.550, 70.811

98, 48.550, 70.811

38, 48.550, 70.811

28, 48.550, 70.811

18, 48.550, 70.811

8, 48.550, 70.811

0, 48.550, 70.811

68, 48.550, 70.811

68, 48.550, 70.811

65, 56.885, 69.303

71, 40.076, 72.219

63, 64.543, 67.550

74, 31.738, 73.575

61, 70.635, 65.304

76, 23.659, 74.902

59, 74.197, 63.040

79, 15.884, 76.204

82, 8.420, 77.470

86, 1.251, 78.479

89, 5.646, 260.050

92, 12.296,
261.193

94, 11.018,
231.203

Harmonies

Complementary

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



68, 48.550, 70.811



59, 42.353, 272.209

Rectangle

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



68, 48.550, 70.811



68, 48.550, 120.811



68, 48.550, 250.811



68, 48.550, 300.811

Sweetspot

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



68, 48.549, 70.815



93, 15.798, 76.540



55, 58.351, 353.272



49, 10.938, 76.169



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, 48.549, 70.815



76, 67.289, 68.825



84, 65.571, 106.131



44, 4.014, 77.760



47, 62.296, 63.678



10, 17.089, 63.317

Inverse Universe

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



59, 42.353, 272.209



63, 57.984, 276.941



43, 78.957, 300.659



43, 3.946, 260.291



35, 56.852, 286.942



6, 18.037, 275.935

Previews

White Background



This preview shows how the CIELCh color 68, 48.550, 70.811 looks on a white background.

Color Contrast Check

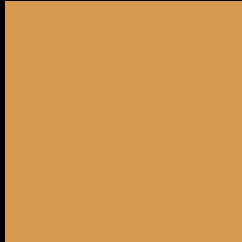
Large Text (above 18pt) WCAG AA × Fail

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, 48.550, 70.811 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, 48.550, 70.811

Background



This preview shows how black text looks on a background with the CIELCh color 68, 48.550, 70.811.



This preview shows how white text looks on a background with the CIELCh color 68, 48.550, 70.811.

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, 48.550, 70.811

Protanopia

68, 42.934, 95.690

Deuteranopia

68, 47.085, 79.044



Tritanopia
68, 30.790, 11.472

Trichromacy



Original Color
68, 48.550, 70.811

Protanomaly
68, 43.880, 85.600

Deuteranomaly
68, 47.716, 75.767

Tritanomaly
68, 32.229, 40.517

Monochromacy



Original Color
68, 48.550, 70.811

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 17.232, 75.277

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 48.550, 70.811 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(215, 153, 82)` looks like.

```
.text, #text, p{  
    color:rgb(215, 153, 82)  
}
```

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(215, 153, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 153, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 48.550, 70.811 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(215, 153, 82) }
```

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

```
.border{ border-color:rgb(215, 153, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 153, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 153, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 153, 82);  
box-shadow:4px 4px 4px 4px rgb(215, 153,  
82) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 48.550, 70.811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 153, 82) }
```

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

```
.background{ background-color: rgb(215,  
153, 82) }
```

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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