

Converting Colors

CIELCh(70, 49.666, 74.140)

Have a look what the booklet for
CIELCh(70, 49.666, 74.140) contains.

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Color

CIELCh(70, 49.678, 74.209)

Conversions

Conversions Part 1

Format	Color
Hex	DAA053
RGB	218, 160, 83
RGB Percent	85%, 63%, 33%
CMY	0.1445, 0.3720, 0.6740
CMYK	0.00, 0.27, 0.62, 0.14
HSL	34°, 65%, 59%
HSV	34°, 62%, 86%
XYZ	43.1250, 40.7494, 13.8043
YIQ	168.5640, 59.2850, -11.6510

Conversions

Conversions Part 2

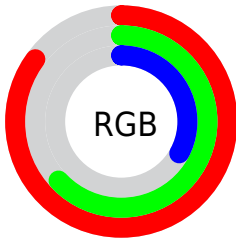
Format	Color
R _Y B	185, 218, 83
Decimal	14327891
CIE Lab	70.00, 13.52, 47.80
CIE LCh	70, 49.678, 74.209
Yxy	40.7494, 0.4415, 0.4172
Android (android.graphics.Color)	4292517971 (0xFFDAA053)
YUV	168.5640, -42.1831, 43.3554
Hunter-Lab	63.8353, 8.8770, 31.8633

Details

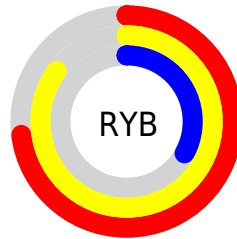
The CIELCh color **70, 49.678, 74.209** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **58, 45.263, 275.815**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 44.690, 84.842**, and **50, 49.427, 74.607** is the 20% darker color. If you saturate the color by 10%, you get **68, 57.901, 72.630**, and if you desaturate by 10%, it is **73, 41.199, 75.680**.

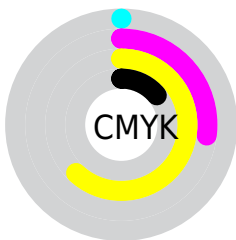
Distribution



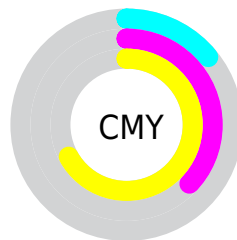
- Red (85%)
- Green (63%)
- Blue (33%)



- Red (73%)
- Yellow (85%)
- Blue (33%)



- Cyan (0%)
- Magenta (27%)
- Yellow (62%)
- Black (14%)



- Cyan (14%)
- Magenta (37%)
- Yellow (67%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 49.678, 74.209 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 70, 49.678, 74.209 by changing the saturation by 10% instead.

 70, 49.678, 74.209

 70, 49.678, 74.209

 100, 49.678,
74.209

 60, 49.678, 74.209

 90, 49.678, 74.209

 50, 49.678, 74.209

 40, 49.678, 74.209

 30, 49.678, 74.209

 20, 49.678, 74.209

 10, 49.678, 74.209

 0, 49.678, 74.209

 70, 49.678, 74.209

 70, 49.678, 74.209

 68, 57.901, 72.630

 73, 41.199, 75.680

65, 65.302, 70.808

75, 32.768, 77.088

63, 70.988, 68.517

78, 24.529, 78.459

61, 74.120, 66.261

81, 16.543, 79.795

84, 8.826, 81.088

87, 1.372, 82.156

90, 5.836, 263.687

92, 11.616,
261.601

95, 10.251,
230.801

Harmonies

Complementary

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



70, 49.678, 74.209



58, 45.263, 275.815

Rectangle

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



70, 49.678, 74.209



70, 49.678, 124.209



70, 49.678, 254.209



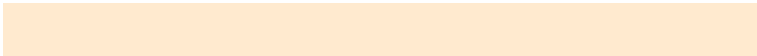
70, 49.678, 304.209

Sweetspot

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



70, 49.678, 74.213



94, 16.217, 80.153



55, 58.291, 355.627



49, 11.219, 79.774



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 49.678, 74.213



77, 67.568, 72.158



84, 66.437, 107.754



45, 4.213, 81.394



49, 62.348, 66.862



11, 18.569, 67.956

Inverse Universe

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



58, 45.263, 275.815



61, 61.591, 280.382



44, 79.851, 301.347



44, 4.163, 263.945



34, 61.694, 290.025



6, 20.100, 279.795

Previews

White Background



This preview shows how the CIELCh color 70, 49.678, 74.209 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 70, 49.678, 74.209 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 70, 49.678, 74.209

Background



This preview shows how black text looks on a background with the CIELCh color 70, 49.678, 74.209.



This preview shows how white text looks on a background with the CIELCh color 70, 49.678, 74.209.

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

70, 49.678, 74.209

Protanopia

70, 45.658, 96.158

Deuteranopia

70, 48.891, 79.539



Tritanopia
70, 29.433, 9.695

Trichromacy



Original Color
70, 49.678, 74.209

Protanomaly
70, 46.131, 87.744

Deuteranomaly
70, 49.407, 77.508

Tritanomaly
70, 30.973, 42.039

Monochromacy



Original Color
70, 49.678, 74.209

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 17.610, 79.361

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 49.678, 74.209 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(218, 160, 83)` looks like.

```
.text, #text, p{  
    color:rgb(218, 160, 83)  
}
```

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(218, 160, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 160, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 49.678, 74.209 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(218, 160, 83) }
```

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

```
.border{ border-color:rgb(218, 160, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 160, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 160, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 160, 83);  
box-shadow:4px 4px 4px 4px rgb(218, 160,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 49.678, 74.209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 160, 83) }
```

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

```
.background{ background-color: rgb(218,  
160, 83) }
```

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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