

Converting Colors

CIELCh(71, 49.350, 81.684)

Have a look what the booklet for
CIELCh(71, 49.350, 81.684) contains.

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Color

CIELCh(71, 49.434, 81.595)

Conversions

Conversions Part 1

Format	Color
Hex	D4A753
RGB	212, 167, 83
RGB Percent	83%, 65%, 33%
CMY	0.1692, 0.3456, 0.6750
CMYK	0.00, 0.21, 0.61, 0.17
HSL	39°, 60%, 58%
HSV	39°, 61%, 83%
XYZ	42.4608, 42.1875, 14.0632
YIQ	170.8790, 53.7840, -16.5840

Conversions

Conversions Part 2

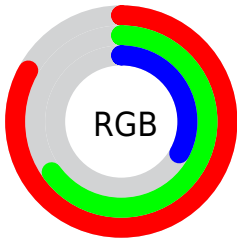
Format	Color
RYB	152, 212, 83
Decimal	13936467
CIELab	71.00, 7.23, 48.90
CIELCh	71, 49.434, 81.595
Yxy	42.1875, 0.4302, 0.4274
Android (android.graphics.Color)	4292126547 (0xFFD4A753)
YUV	170.8790, -43.3243, 36.0631
Hunter-Lab	64.9519, 3.0244, 32.6290

Details

The CIELCh color **71, 49.434, 81.595** 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 **54, 48.999, 282.227**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 46.677, 89.455**, and **51, 49.297, 81.412** is the 20% darker color. If you saturate the color by 10%, you get **69, 57.216, 80.025**, and if you desaturate by 10%, it is **73, 41.214, 83.075**.

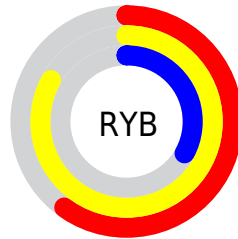
Distribution



Red (83%)

Green (65%)

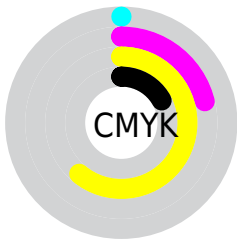
Blue (33%)



Red (60%)

Yellow (83%)

Blue (33%)

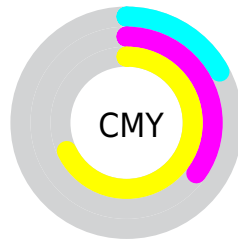


Cyan (0%)

Magenta (21%)

Yellow (61%)

Black (17%)



Cyan (17%)

Magenta (35%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 49.434, 81.595 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 71, 49.434, 81.595 by changing the saturation by 10% instead.

71, 49.434, 81.595

71, 49.434, 81.595

100, 49.434,
81.595

61, 49.434, 81.595

91, 49.434, 81.595

51, 49.434, 81.595

41, 49.434, 81.595

31, 49.434, 81.595

21, 49.434, 81.595

11, 49.434, 81.595

1, 49.434, 81.595

0, 49.434, 81.595

71, 49.434, 81.595

71, 49.434, 81.595

69, 57.216, 80.025

73, 41.214, 83.075

67, 64.004, 78.268

75, 32.877, 84.493

65, 68.992, 76.171

78, 24.593, 85.868

63, 71.729, 73.890

80, 16.444, 87.201

82, 8.466, 88.482

85, 0.669, 89.373

87, 6.950, 271.008

90, 14.401,
272.142

92, 13.131,
257.977

Harmonies

Complementary

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



71, 49.434, 81.595



54, 48.999, 282.227

Rectangle

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



71, 49.434, 81.595



71, 49.434, 131.595



71, 49.434, 261.595



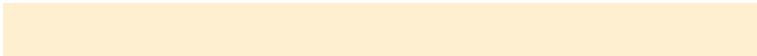
71, 49.434, 311.595

Sweetspot

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



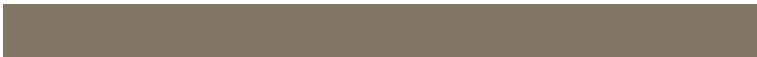
71, 49.434, 81.599



95, 16.424, 87.551



54, 54.798, 1.451



50, 11.452, 87.168



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



71, 49.434, 81.599



81, 68.217, 79.541



81, 64.462, 111.813



44, 4.447, 88.662



52, 61.109, 74.377



12, 17.966, 76.950

Inverse Universe

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



54, 48.999, 282.227



58, 69.172, 286.487



44, 76.387, 302.951



42, 4.439, 271.148



30, 70.249, 295.497



5, 20.841, 283.510

Previews

White Background



This preview shows how the CIELCh color 71, 49.434, 81.595 looks on a white background.

Color Contrast Check

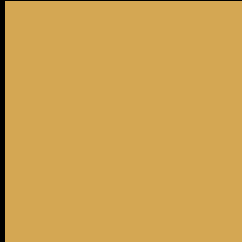
Large Text (above 18pt) WCAG AA × Fail

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 71, 49.434, 81.595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

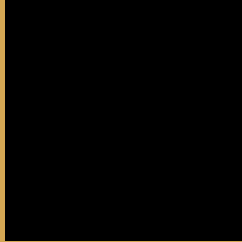
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 71, 49.434, 81.595

Background



This preview shows how black text looks on a background with the CIELCh color 71, 49.434, 81.595.



This preview shows how white text looks on a background with the CIELCh color 71, 49.434, 81.595.

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

71, 49.434, 81.595

Protanopia

71, 47.676, 95.323

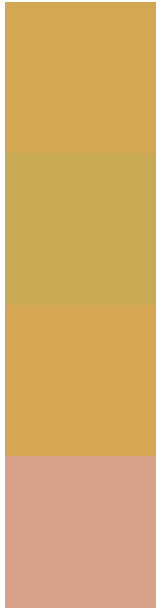
Deuteranopia

71, 49.876, 79.566



Tritanopia
71, 24.982, 6.845

Trichromacy



Original Color
71, 49.434, 81.595

Protanomaly
71, 47.944, 89.926

Deuteranomaly
71, 49.657, 80.016

Tritanomaly
71, 26.429, 48.963

Monochromacy



Original Color
71, 49.434, 81.595

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 17.789, 85.552

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 49.434, 81.595 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(212, 167, 83)` looks like.

```
.text, #text, p{  
    color:rgb(212, 167, 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(212, 167, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 167, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 49.434, 81.595 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(212, 167, 83) }
```

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

```
.border{ border-color:rgb(212, 167, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 167, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 167, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 167, 83);  
box-shadow:4px 4px 4px 4px rgb(212, 167,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 49.434, 81.595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 167, 83) }
```

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

```
.background{ background-color: rgb(212,  
167, 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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