

Converting Colors

CIELCh(70, 47.814, 80.832)

Have a look what the booklet for
CIELCh(70, 47.814, 80.832) contains.

CIELCh(70, 47.743, 80.800)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(70, 47.743, 80.800)

Conversions

Conversions Part 1

Format	Color
Hex	D1A454
RGB	209, 164, 84
RGB Percent	82%, 64%, 33%
CMY	0.1804, 0.3568, 0.6706
CMYK	0.00, 0.22, 0.60, 0.18
HSL	38°, 58%, 57%
HSV	38°, 60%, 82%
XYZ	41.1733, 40.7494, 14.0841
YIQ	168.3350, 52.5000, -15.3400

Conversions

Conversions Part 2

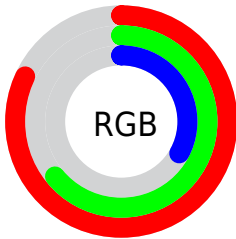
Format	Color
RYB	154, 209, 84
Decimal	13739092
CIELab	70.00, 7.63, 47.13
CIELCh	70, 47.743, 80.800
Yxy	40.7494, 0.4289, 0.4244
Android (android.graphics.Color)	4291929172 (0xFFD1A454)
YUV	168.3350, -41.5772, 35.6632
Hunter-Lab	63.8353, 3.4197, 31.6034

Details

The CIELCh color **70, 47.743, 80.800** 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, 46.785, 281.024**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 45.317, 87.388**, and **50, 47.788, 80.690** is the 20% darker color. If you saturate the color by 10%, you get **68, 55.540, 79.238**, and if you desaturate by 10%, it is **72, 39.590, 82.276**.

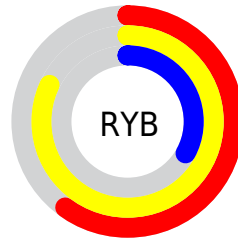
Distribution



Red (82%)

Green (64%)

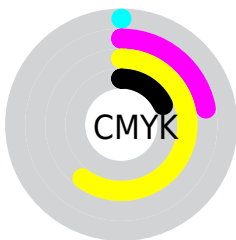
Blue (33%)



Red (60%)

Yellow (82%)

Blue (33%)

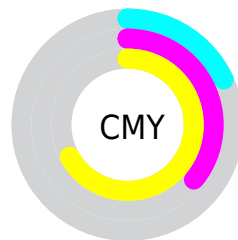


Cyan (0%)

Magenta (22%)

Yellow (60%)

Black (18%)



Cyan (18%)

Magenta (36%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 47.743, 80.800 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, 47.743, 80.800 by changing the saturation by 10% instead.

 70, 47.743, 80.800

 70, 47.743, 80.800

 100, 47.743,
80.800

 60, 47.743, 80.800

 90, 47.743, 80.800

 50, 47.743, 80.800

 40, 47.743, 80.800

 30, 47.743, 80.800

 20, 47.743, 80.800

 10, 47.743, 80.800

 0, 47.743, 80.800

 70, 47.743, 80.800

 70, 47.743, 80.800

 68, 55.540, 79.238

 72, 39.590, 82.276

66, 62.467, 77.495

74, 31.371, 83.692

64, 67.745, 75.420

77, 23.235, 85.065

62, 70.959, 72.901

79, 15.253, 86.396

62, 71.020, 72.853

81, 7.455, 87.674

84, 0.155, 270.697

86, 7.582, 270.200

89, 14.838,
271.336

91, 14.048,
258.676

Harmonies

Complementary

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



70, 47.743, 80.800



54, 46.785, 281.024

Rectangle

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



70, 47.743, 80.800



70, 47.743, 130.800



70, 47.743, 260.800



70, 47.743, 310.800

Sweetspot

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



70, 47.743, 80.804



95, 16.258, 86.604



53, 53.576, 359.939



50, 11.339, 86.220



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, 47.743, 80.804



81, 67.100, 78.736



80, 62.702, 111.084



43, 4.313, 87.723



51, 60.436, 73.364



11, 16.478, 75.649

Inverse Universe

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



54, 46.785, 281.024



59, 66.962, 285.313



44, 74.150, 302.400



41, 4.299, 270.215



30, 68.109, 294.773



4, 19.179, 281.828

Previews

White Background



This preview shows how the CIELCh color 70, 47.743, 80.800 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, 47.743, 80.800 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, 47.743, 80.800

Background



This preview shows how black text looks on a background with the CIELCh color 70, 47.743, 80.800.



This preview shows how white text looks on a background with the CIELCh color 70, 47.743, 80.800.

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, 47.743, 80.800

Protanopia

70, 46.139, 96.198

Deuteranopia

70, 47.986, 79.168



Tritanopia
70, 24.655, 6.593

Trichromacy



Original Color
70, 47.743, 80.800

Protanomaly
70, 46.334, 90.615

Deuteranomaly
70, 47.764, 79.634

Tritanomaly
70, 25.935, 47.026

Monochromacy



Original Color
70, 47.743, 80.800

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 17.668, 86.748

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 47.743, 80.800 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(209, 164, 84)` looks like.

```
.text, #text, p{  
    color:rgb(209, 164, 84)  
}
```

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(209, 164, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 164, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 47.743, 80.800 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(209, 164, 84) }
```

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

```
.border{ border-color:rgb(209, 164, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 164, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 164, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 164, 84);  
box-shadow:4px 4px 4px 4px rgb(209, 164,  
84) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 47.743, 80.800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 164, 84) }
```

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

```
.background{ background-color: rgb(209,  
164, 84) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor