

Converting Colors

CIELCh(70, 38.301, 80.252)

Have a look what the booklet for
CIELCh(70, 38.301, 80.252) contains.

CIELCh(70, 38.443, 80.300)	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, 38.443, 80.300)

Conversions

Conversions Part 1

Format	Color
Hex	CCA566
RGB	204, 165, 102
RGB Percent	80%, 65%, 40%
CMY	0.1997, 0.3526, 0.5997
CMYK	0.00, 0.19, 0.50, 0.20
HSL	37°, 50%, 60%
HSV	37°, 50%, 80%
XYZ	40.7971, 40.7494, 18.3050
YIQ	169.4790, 43.4670, -11.3250

Conversions

Conversions Part 2

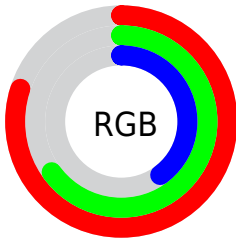
Format	Color
R _Y B	165, 204, 102
Decimal	13411686
CIE Lab	70.00, 6.48, 37.89
CIE LCh	70, 38.443, 80.300
Yxy	40.7494, 0.4086, 0.4081
Android (android.graphics.Color)	4291601766 (0xFFCCA566)
YUV	169.4790, -33.2671, 30.2749
Hunter-Lab	63.8353, 2.3675, 27.6830

Details

The CIELCh color **70, 38.443, 80.300** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **58, 36.914, 276.363**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 37.057, 84.798**, and **50, 38.289, 80.275** is the 20% darker color. If you saturate the color by 10%, you get **68, 46.442, 78.831**, and if you desaturate by 10%, it is **72, 30.426, 81.721**.

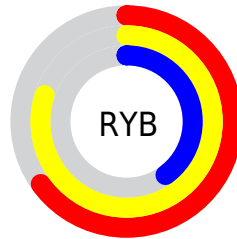
Distribution



Red (80%)

Green (65%)

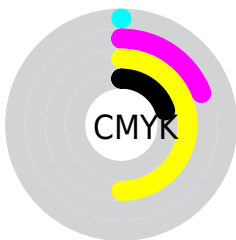
Blue (40%)



Red (65%)

Yellow (80%)

Blue (40%)

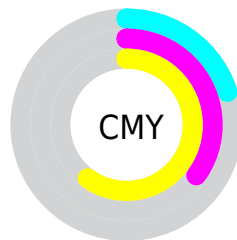


Cyan (0%)

Magenta (19%)

Yellow (50%)

Black (20%)



Cyan (20%)

Magenta (35%)

Yellow (60%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 38.443, 80.300 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, 38.443, 80.300 by changing the saturation by 10% instead.

 70, 38.443, 80.300

 70, 38.443, 80.300

 100, 38.443,
80.300

 60, 38.443, 80.300

 90, 38.443, 80.300

 50, 38.443, 80.300

 40, 38.443, 80.300

 30, 38.443, 80.300

 20, 38.443, 80.300

 10, 38.443, 80.300

 0, 38.443, 80.300

 70, 38.443, 80.300

 70, 38.443, 80.300

 68, 46.442, 78.831

 72, 30.426, 81.721

66, 54.149, 77.259

75, 22.527, 83.096

64, 61.071, 75.500

77, 14.808, 84.430

62, 66.439, 73.380

80, 7.292, 85.712

60, 69.869, 70.800

82, 0.021, 280.508

60, 69.875, 70.795

85, 7.138, 268.259

87, 14.076,
269.401

90, 16.048,
262.583

92, 14.273,
244.742

Harmonies

Complementary

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



70, 38.443, 80.300



58, 36.914, 276.363

Rectangle

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



70, 38.443, 80.300



70, 38.443, 130.300



70, 38.443, 260.300



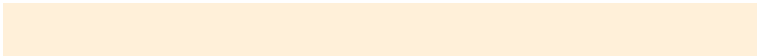
70, 38.443, 310.300

Sweetspot

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



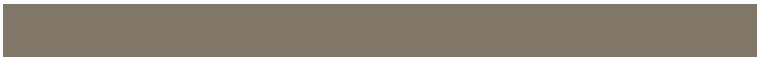
70, 38.443, 80.304



95, 13.227, 85.052



56, 44.767, 356.673



50, 9.052, 84.776



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, 38.443, 80.304



83, 55.673, 78.710



79, 52.408, 110.906



42, 4.138, 85.785



49, 59.831, 71.322



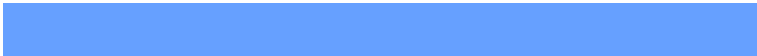
9, 14.873, 72.871

Inverse Universe

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



58, 36.914, 276.363



66, 53.406, 279.508



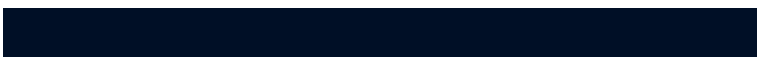
49, 59.861, 300.451



40, 4.114, 268.292



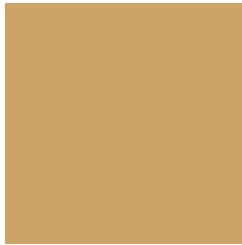
30, 64.742, 293.290



4, 17.338, 279.546

Previews

White Background



This preview shows how the CIELCh color 70, 38.443, 80.300 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, 38.443, 80.300 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, 38.443, 80.300

Background



This preview shows how black text looks on a background with the CIELCh color 70, 38.443, 80.300.

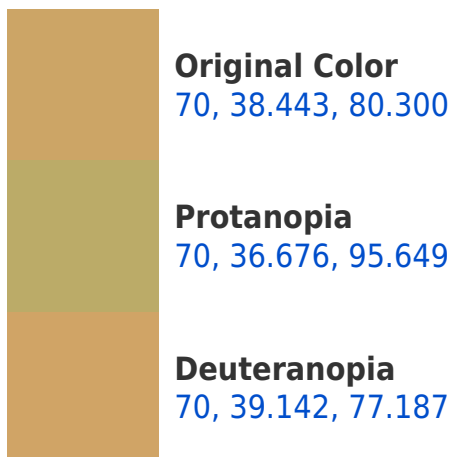


This preview shows how white text looks on a background with the CIELCh color 70, 38.443, 80.300.

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](#).

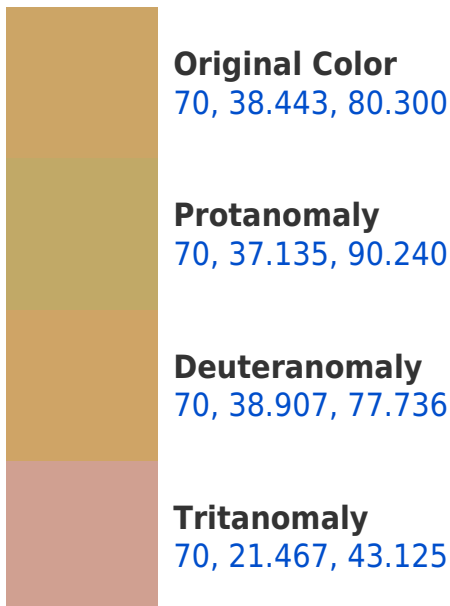
Dichromacy





Tritanopia
70, 21.556, 3.953

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 38.443, 80.300 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(204, 165, 102)` looks like.

```
.text, #text, p{  
    color:rgb(204, 165, 102)  
}
```

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(204, 165, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 165, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 38.443, 80.300 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(204, 165, 102) }
```

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

```
.border{ border-color:rgb(204, 165, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 165, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 165, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 165, 102);  
box-shadow:4px 4px 4px 4px rgb(204, 165,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 38.443, 80.300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 165, 102) }
```

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

```
.background{ background-color: rgb(204,  
165, 102) }
```

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