

Converting Colors

CIELCh(68, 70.882, 90.876)

Have a look what the booklet for
CIELCh(68, 70.882, 90.876) contains.

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Color

CIELCh(68, 70.790, 90.857)

Conversions

Conversions Part 1

Format	Color
Hex	C3A303
RGB	195, 163, 3
RGB Percent	76%, 64%, 1%
CMY	0.2338, 0.3595, 0.9888
CMYK	0.00, 0.16, 0.99, 0.23
HSL	50°, 97%, 39%
HSV	50°, 99%, 77%
XYZ	35.7756, 37.9720, 5.5254
YIQ	154.3280, 70.4320, -42.9760

Conversions

Conversions Part 2

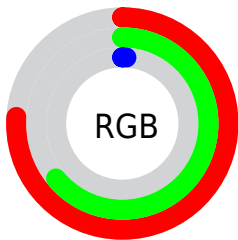
Format	Color
RYB	41, 195, 3
Decimal	12821251
CIELab	68.00, -1.06, 70.78
CIElCh	68, 70.790, 90.857
Yxy	37.9720, 0.4513, 0.4790
Android (android.graphics.Color)	4291011331 (0xFFC3A303)
YUV	154.3280, -74.6047, 35.6693
Hunter-Lab	61.6215, -4.2058, 37.8186

Details

The CIELCh color **68, 70.790, 90.857** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **27, 98.186, 303.248**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 70.813, 91.285**, and **48, 54.279, 90.254** is the 20% darker color. If you saturate the color by 10%, you get **68, 71.060, 90.678**, and if you desaturate by 10%, it is **69, 68.566, 92.101**.

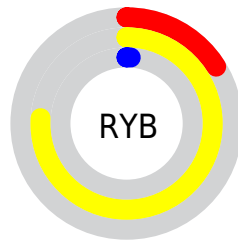
Distribution



Red (76%)

Green (64%)

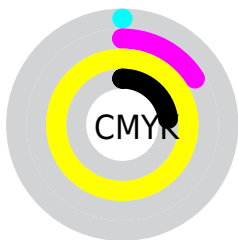
Blue (1%)



Red (16%)

Yellow (76%)

Blue (1%)

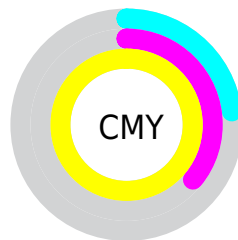


Cyan (0%)

Magenta (16%)

Yellow (99%)

Black (23%)



Cyan (23%)

Magenta (36%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 70.790, 90.857 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, 70.790, 90.857 by changing the saturation by 10% instead.

■ 68, 70.790, 90.857

■ 68, 70.790, 90.857

■ 100, 70.790,
90.857

■ 58, 70.790, 90.857

■ 88, 70.790, 90.857

■ 48, 70.790, 90.857

■ 98, 70.790, 90.857

■ 38, 70.790, 90.857

■ 28, 70.790, 90.857

■ 18, 70.790, 90.857

■ 8, 70.790, 90.857

■ 0, 70.790, 90.857

■ 68, 70.790, 90.857

■ 68, 70.790, 90.857

■ 68, 71.060, 90.678

■ 69, 68.566, 92.101

70, 64.204, 93.287

71, 58.001, 94.454

72, 50.571, 95.624

73, 42.413, 96.798

74, 33.858, 97.973

75, 25.112, 99.139

77, 16.297,
100.285

78, 7.483, 101.398

Harmonies

Complementary

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



68, 70.790, 90.857



27, 98.186, 303.248

Rectangle

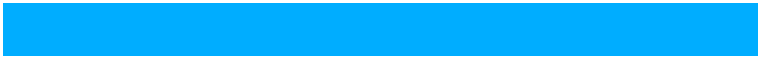
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68, 70.790, 90.857



68, 70.790, 140.857



68, 70.790, 270.857



68, 70.790, 320.857

Sweetspot

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



68, 70.789, 90.859



95, 32.769, 98.914



41, 77.086, 31.391



50, 22.345, 98.415



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, 70.789, 90.859



86, 86.712, 90.456



72, 84.139, 121.368



40, 4.938, 101.308



57, 61.542, 90.876



10, 15.131, 95.862

Inverse Universe

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



27, 98.186, 303.248



36, 122.885, 303.885



27, 104.948, 308.765



38, 5.006, 283.447



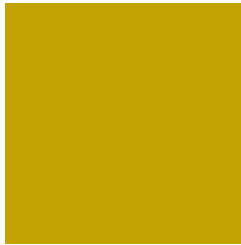
21, 84.992, 303.204



2, 17.207, 286.245

Previews

White Background



This preview shows how the CIELCh color 68, 70.790, 90.857 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, 70.790, 90.857 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, 70.790, 90.857

Background



This preview shows how black text looks on a background with the CIELCh color 68, 70.790, 90.857.



This preview shows how white text looks on a background with the CIELCh color 68, 70.790, 90.857.

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, 70.664, 90.849

Protanopia

68, 70.102, 95.048

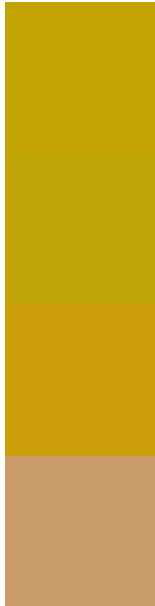
Deuteranopia

68, 70.028, 82.610



Tritanopia
68, 21.187, 5.089

Trichromacy



Original Color
68, 70.664, 90.849

Protanomaly
68, 70.349, 93.523

Deuteranomaly
68, 70.195, 85.381

Tritanomaly
67, 34.645, 72.551

Monochromacy



Original Color
68, 70.664, 90.849

Achromatopsia
64, 0.008, 296.813

Achromatomaly
65, 32.130, 97.406

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 70.790, 90.857 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(195, 163, 3)` looks like.

```
.text, #text, p{  
    color:rgb(195, 163, 3)  
}
```

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(195, 163, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 163, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 70.790, 90.857 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(195, 163, 3) }
```

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

```
.border{ border-color:rgb(195, 163, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 163, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 163, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 163, 3);  
box-shadow:4px 4px 4px 4px rgb(195, 163,  
3) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 70.790, 90.857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 163, 3) }
```

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

```
.background{ background-color: rgb(195,  
163, 3) }
```

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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