

Converting Colors

CIELCh(70, 67.752, 92.124)

Have a look what the booklet for
CIELCh(70, 67.752, 92.124) contains.

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Color

CIELCh(70, 67.903, 92.515)

Conversions

Conversions Part 1

Format	Color
Hex	C6AA1E
RGB	198, 170, 30
RGB Percent	78%, 67%, 12%
CMY	0.2243, 0.3340, 0.8834
CMYK	0.00, 0.14, 0.85, 0.22
HSL	50°, 74%, 45%
HSV	50°, 85%, 78%
XYZ	37.8046, 40.7494, 7.0837
YIQ	162.4120, 61.6280, -37.6040

Conversions

Conversions Part 2

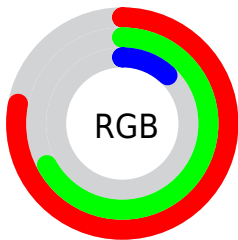
Format	Color
R _Y B	64, 198, 30
Decimal	13019678
CIE Lab	70.00, -2.98, 67.84
CIE LCh	70, 67.903, 92.515
Yxy	40.7494, 0.4414, 0.4758
Android (android.graphics.Color)	4291209758 (0xFFC6AA1E)
YUV	162.4120, -65.2791, 31.2107
Hunter-Lab	63.8353, -6.0002, 38.1054

Details

The CIELCh color **70, 67.903, 92.515** 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 **33, 86.084, 299.865**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 67.682, 93.754**, and **50, 55.981, 91.782** is the 20% darker color. If you saturate the color by 10%, you get **69, 70.813, 91.294**, and if you desaturate by 10%, it is **71, 62.773, 93.694**.

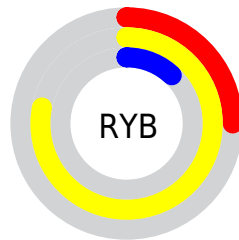
Distribution



Red (78%)

Green (67%)

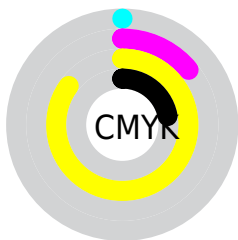
Blue (12%)



Red (25%)

Yellow (78%)

Blue (12%)

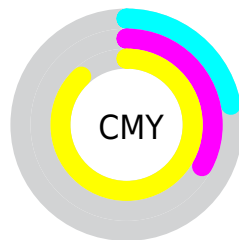


Cyan (0%)

Magenta (14%)

Yellow (85%)

Black (22%)



Cyan (22%)

Magenta (33%)

Yellow (88%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 67.903, 92.515 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, 67.903, 92.515 by changing the saturation by 10% instead.

 70, 67.903, 92.515

 70, 67.903, 92.515

 100, 67.903,
92.515

 60, 67.903, 92.515

 90, 67.903, 92.515

 50, 67.903, 92.515

 40, 67.903, 92.515

 30, 67.903, 92.515

 20, 67.903, 92.515

 10, 67.903, 92.515

 0, 67.903, 92.515

 70, 67.903, 92.515

 70, 67.903, 92.515

 69, 70.813, 91.294

 71, 62.773, 93.694

69, 71.708, 90.663

72, 56.004, 94.862

73, 48.193, 96.035

74, 39.780, 97.212

75, 31.053, 98.385

77, 22.184, 99.546

78, 13.275,
100.684

79, 4.384, 101.776

81, 4.455, 282.915

Harmonies

Complementary

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



70, 67.903, 92.515



33, 86.084, 299.865

Rectangle

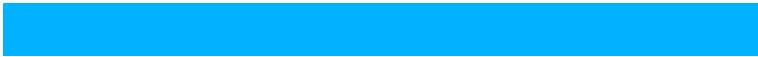
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70, 67.903, 92.515



70, 67.903, 142.515



70, 67.903, 272.515



70, 67.903, 322.515

Sweetspot

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



70, 67.902, 92.518



96, 27.307, 99.499



43, 69.799, 24.665



51, 18.631, 99.086



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, 67.902, 92.518



86, 86.710, 90.452



74, 80.082, 120.217



41, 5.045, 101.302



57, 62.252, 90.855



11, 16.676, 95.237

Inverse Universe

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



33, 86.084, 299.865



36, 122.880, 303.883



32, 97.571, 308.873



39, 5.114, 283.449



22, 86.066, 303.232



2, 19.023, 287.085

Previews

White Background



This preview shows how the CIELCh color 70, 67.903, 92.515 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 CIELCh color 70, 67.903, 92.515 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, 67.903, 92.515

Background



This preview shows how black text looks on a background with the CIELCh color 70, 67.903, 92.515.



This preview shows how white text looks on a background with the CIELCh color 70, 67.903, 92.515.

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, 67.903, 92.515

Protanopia

70, 67.985, 95.267

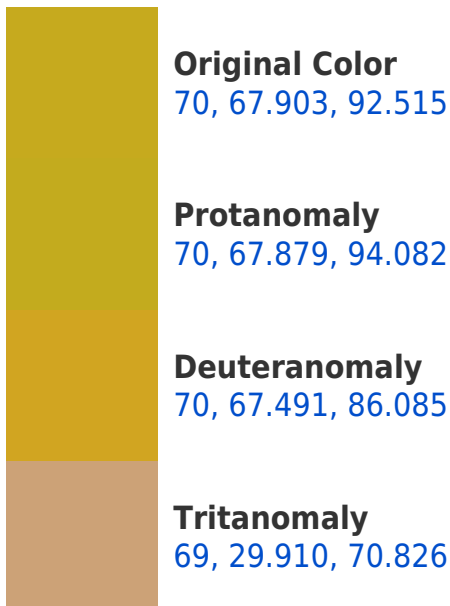
Deuteranopia

70, 67.706, 82.077



Tritanopia
70, 20.033, 2.383

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 67.903, 92.515 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(198, 170, 30)` looks like.

```
.text, #text, p{  
    color:rgb(198, 170, 30)  
}
```

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(198, 170, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 170, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 67.903, 92.515 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(198, 170, 30) }
```

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

```
.border{ border-color:rgb(198, 170, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 170, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 170, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 170, 30);  
box-shadow:4px 4px 4px 4px rgb(198, 170,  
30) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 67.903, 92.515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 170, 30) }
```

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

```
.background{ background-color: rgb(198,  
170, 30) }
```

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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