

Converting Colors

CIELCh(70, 70.738, 88.896)

Have a look what the booklet for
CIELCh(70, 70.738, 88.896) contains.

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Color

CIELCh(70, 70.752, 88.831)

Conversions

Conversions Part 1

Format	Color
Hex	CDA711
RGB	205, 167, 17
RGB Percent	80%, 65%, 7%
CMY	0.1953, 0.3444, 0.9319
CMYK	0.00, 0.19, 0.92, 0.20
HSL	48°, 84%, 44%
HSV	48°, 92%, 80%
XYZ	39.1853, 40.7494, 6.3449
YIQ	161.2620, 70.7980, -38.5940

Conversions

Conversions Part 2

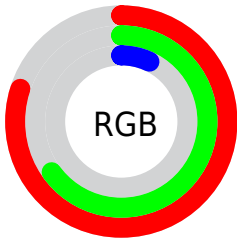
Format	Color
RYB	65, 205, 17
Decimal	13477649
CIELab	70.00, 1.44, 70.74
CIELCh	70, 70.752, 88.831
Yxy	40.7494, 0.4542, 0.4723
Android (android.graphics.Color)	4291667729 (0xFFCDA711)
YUV	161.2620, -71.1212, 38.3582
Hunter-Lab	63.8353, -2.1394, 38.7916

Details

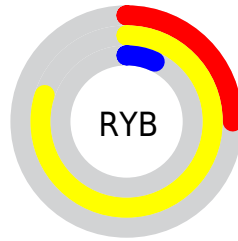
The CIELCh color **70, 70.752, 88.831** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **32, 91.663, 300.366**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 69.598, 92.723**, and **50, 56.352, 87.725** is the 20% darker color. If you saturate the color by 10%, you get **69, 72.420, 87.539**, and if you desaturate by 10%, it is **71, 66.874, 90.248**.

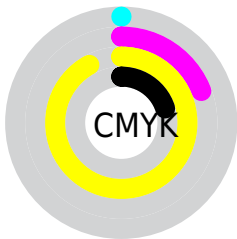
Distribution



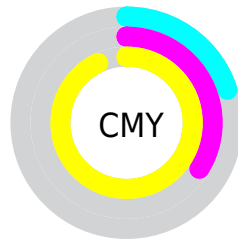
- Red (80%)
- Green (65%)
- Blue (7%)



- Red (25%)
- Yellow (80%)
- Blue (7%)



- Cyan (0%)
- Magenta (19%)
- Yellow (92%)
- Black (20%)



- Cyan (20%)
- Magenta (34%)
- Yellow (93%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 70.752, 88.831 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, 70.752, 88.831 by changing the saturation by 10% instead.

 70, 70.752, 88.831

 70, 70.752, 88.831

 100, 70.752,
88.831

 60, 70.752, 88.831

 90, 70.752, 88.831

 50, 70.752, 88.831

 40, 70.752, 88.831

 30, 70.752, 88.831

 20, 70.752, 88.831

 10, 70.752, 88.831

 0, 70.752, 88.831

 70, 70.752, 88.831

 70, 70.752, 88.831

 69, 72.420, 87.539

 71, 66.874, 90.248

72, 60.915, 91.568

74, 53.553, 92.844

75, 45.363, 94.100

76, 36.737, 95.342

78, 27.910, 96.567

79, 19.023, 97.768

81, 10.152, 98.934

82, 1.340, 99.967

Harmonies

Complementary

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



70, 70.752, 88.831



32, 91.663, 300.366

Rectangle

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



70, 70.752, 88.831



70, 70.752, 138.831



70, 70.752, 268.831



70, 70.752, 318.831

Sweetspot

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



70, 70.751, 88.834



95, 28.484, 97.074



44, 73.963, 24.132



50, 19.203, 96.657



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, 70.751, 88.834



84, 85.212, 87.314



76, 84.048, 118.389



42, 4.961, 99.178



57, 61.876, 87.806



12, 17.477, 91.772

Inverse Universe

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



32, 91.663, 300.366



37, 118.702, 302.864



30, 106.118, 308.120



40, 5.017, 281.398



23, 83.959, 302.146



3, 20.264, 286.881

Previews

White Background



This preview shows how the CIELCh color 70, 70.752, 88.831 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, 70.752, 88.831 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, 70.752, 88.831

Background



This preview shows how black text looks on a background with the CIELCh color 70, 70.752, 88.831.



This preview shows how white text looks on a background with the CIELCh color 70, 70.752, 88.831.

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, 70.752, 88.831

Protanopia

70, 70.317, 95.291

Deuteranopia

70, 70.608, 82.627



Tritanopia
70, 23.888, 5.994

Trichromacy



Original Color
70, 70.752, 88.831

Protanomaly
70, 70.327, 92.997

Deuteranomaly
70, 70.573, 84.961

Tritanomaly
69, 34.292, 66.513

Monochromacy



Original Color
70, 70.752, 88.831

Achromatopsia
66, 0.008, 296.813

Achromatomaly
67, 30.048, 95.548

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 70.752, 88.831 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(205, 167, 17)` looks like.

```
.text, #text, p{  
    color:rgb(205, 167, 17)  
}
```

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(205, 167, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 167, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 70.752, 88.831 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(205, 167, 17) }
```

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

```
.border{ border-color:rgb(205, 167, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 167, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 167, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 167, 17);  
box-shadow:4px 4px 4px 4px rgb(205, 167,  
17) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 70.752, 88.831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 167, 17) }
```

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

```
.background{ background-color: rgb(205,  
167, 17) }
```

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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