

Converting Colors

CIELCh(70, 52.801, 87.890)

Have a look what the booklet for
CIELCh(70, 52.801, 87.890) contains.

CIELCh(70, 52.579, 87.585)	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, 52.579, 87.585)

Conversions

Conversions Part 1

Format	Color
Hex	CAA748
RGB	202, 167, 72
RGB Percent	79%, 65%, 28%
CMY	0.2071, 0.3444, 0.7170
CMYK	0.00, 0.17, 0.64, 0.21
HSL	44°, 55%, 54%
HSV	44°, 64%, 79%
XYZ	39.4297, 40.7494, 11.9453
YIQ	166.6350, 51.3550, -22.1250

Conversions

Conversions Part 2

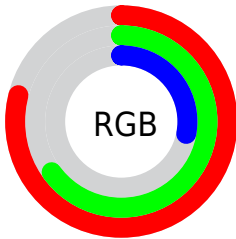
Format	Color
RYB	120, 202, 72
Decimal	13281096
CIELab	70.00, 2.22, 52.53
CIELCh	70, 52.579, 87.585
Yxy	40.7494, 0.4280, 0.4423
Android (android.graphics.Color)	4291471176 (0xFFCAA748)
YUV	166.6350, -46.6551, 31.0151
Hunter-Lab	63.8353, -1.4560, 33.5899

Details

The CIELCh color **70, 52.579, 87.585** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **47, 56.135, 288.588**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 51.836, 90.578**, and **50, 52.697, 87.129** is the 20% darker color. If you saturate the color by 10%, you get **68, 59.615, 86.116**, and if you desaturate by 10%, it is **72, 44.758, 88.986**.

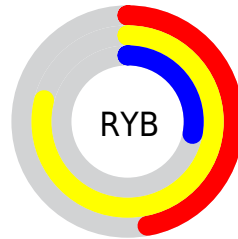
Distribution



Red (79%)

Green (65%)

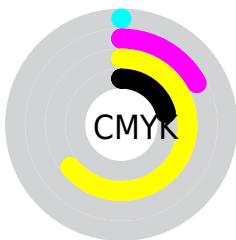
Blue (28%)



Red (47%)

Yellow (79%)

Blue (28%)

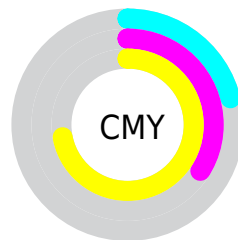


Cyan (0%)

Magenta (17%)

Yellow (64%)

Black (21%)



Cyan (21%)

Magenta (34%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 52.579, 87.585 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, 52.579, 87.585 by changing the saturation by 10% instead.

70, 52.579, 87.585

70, 52.579, 87.585

100, 52.579,
87.585

60, 52.579, 87.585

90, 52.579, 87.585

50, 52.579, 87.585

40, 52.579, 87.585

30, 52.579, 87.585

20, 52.579, 87.585

10, 52.579, 87.585

0, 52.579, 87.585

70, 52.579, 87.585

70, 52.579, 87.585

68, 59.615, 86.116

72, 44.758, 88.986

67, 65.243, 84.506

73, 36.561, 90.339

66, 68.734, 82.645

75, 28.229, 91.656

65, 69.970, 81.493

77, 19.896, 92.939

79, 11.632, 94.182

81, 3.471, 95.350

82, 4.572, 276.615

84, 12.495,
277.703

86, 20.298,
278.762

Harmonies

Complementary

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



70, 52.579, 87.585



47, 56.135, 288.588

Rectangle

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



70, 52.579, 87.585



70, 52.579, 137.585



70, 52.579, 267.585



70, 52.579, 317.585

Sweetspot

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



70, 52.579, 87.588



96, 18.714, 93.573



50, 54.885, 7.439



50, 12.904, 93.210



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, 52.579, 87.588



84, 73.757, 85.535



77, 65.572, 114.786



42, 4.627, 94.771



54, 60.427, 81.845



11, 16.302, 85.533

Inverse Universe

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



47, 56.135, 288.588



51, 82.792, 292.922



41, 77.734, 304.907



40, 4.655, 277.117



26, 77.260, 299.528



3, 19.234, 284.635

Previews

White Background



This preview shows how the CIELCh color 70, 52.579, 87.585 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, 52.579, 87.585 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, 52.579, 87.585

Background



This preview shows how black text looks on a background with the CIELCh color 70, 52.579, 87.585.

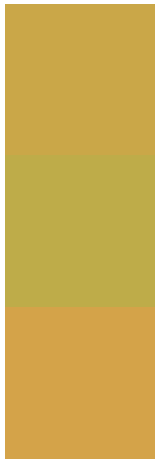


This preview shows how white text looks on a background with the CIELCh color 70, 52.579, 87.585.

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, 52.579, 87.585

Protanopia

70, 52.258, 96.084

Deuteranopia

70, 53.095, 80.552



Tritanopia
70, 21.556, 3.953

Trichromacy



Original Color
70, 52.579, 87.585

Protanomaly
70, 51.961, 93.047

Deuteranomaly
70, 52.690, 83.539

Tritanomaly
70, 24.525, 57.099

Monochromacy



Original Color
70, 52.579, 87.585

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 19.329, 92.205

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 52.579, 87.585 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(202, 167, 72)` looks like.

```
.text, #text, p{  
    color:rgb(202, 167, 72)  
}
```

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(202, 167, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 167, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 52.579, 87.585 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(202, 167, 72) }
```

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

```
.border{ border-color:rgb(202, 167, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 167, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 167, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 167, 72);  
box-shadow:4px 4px 4px 4px rgb(202, 167,  
72) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 52.579, 87.585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 167, 72) }
```

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

```
.background{ background-color: rgb(202,  
167, 72) }
```

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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