

Converting Colors

CIELCh(70, 57.784, 88.251)

Have a look what the booklet for
CIELCh(70, 57.784, 88.251) contains.

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Color

CIELCh(70, 57.804, 88.057)

Conversions

Conversions Part 1

Format	Color
Hex	CBA73C
RGB	203, 167, 60
RGB Percent	80%, 65%, 24%
CMY	0.2032, 0.3444, 0.7640
CMYK	0.00, 0.18, 0.70, 0.20
HSL	45°, 58%, 52%
HSV	45°, 70%, 80%
XYZ	39.3487, 40.7494, 10.0900
YIQ	165.5660, 55.8030, -25.6450

Conversions

Conversions Part 2

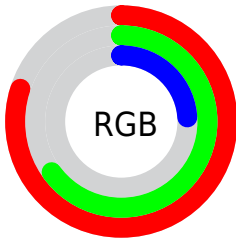
Format	Color
RYB	108, 203, 60
Decimal	13346620
CIELab	70.00, 1.96, 57.77
CIELCh	70, 57.804, 88.057
Yxy	40.7494, 0.4363, 0.4518
Android (android.graphics.Color)	4291536700 (0xFFCBA73C)
YUV	165.5660, -52.0440, 32.8296
Hunter-Lab	63.8353, -1.6826, 35.3132

Details

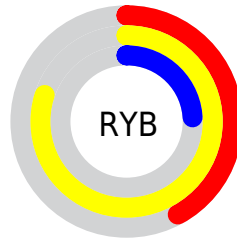
The CIELCh color **70, 57.804, 88.057** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **44, 63.825, 291.461**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 56.875, 91.406**, and **50, 56.039, 87.614** is the 20% darker color. If you saturate the color by 10%, you get **69, 64.036, 86.570**, and if you desaturate by 10%, it is **72, 50.380, 89.459**.

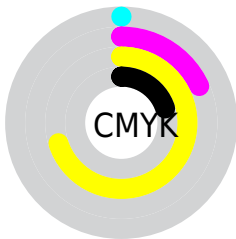
Distribution



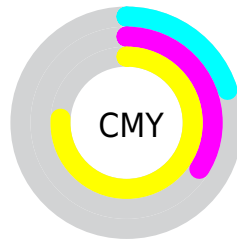
- Red (80%)
- Green (65%)
- Blue (24%)



- Red (42%)
- Yellow (80%)
- Blue (24%)



- Cyan (0%)
- Magenta (18%)
- Yellow (70%)
- Black (20%)



- Cyan (20%)
- Magenta (34%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 57.804, 88.057 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, 57.804, 88.057 by changing the saturation by 10% instead.

70, 57.804, 88.057

70, 57.804, 88.057

100, 57.804,
88.057

60, 57.804, 88.057

90, 57.804, 88.057

50, 57.804, 88.057

40, 57.804, 88.057

30, 57.804, 88.057

20, 57.804, 88.057

10, 57.804, 88.057

0, 57.804, 88.057

70, 57.804, 88.057

70, 57.804, 88.057

69, 64.036, 86.570

72, 50.380, 89.459

67, 68.364, 84.909

73, 42.309, 90.808

66, 70.572, 83.101

75, 33.936, 92.123

76, 25.462, 93.408

78, 16.999, 94.659

80, 8.605, 95.867

82, 0.308, 96.450

84, 7.878, 278.222

85, 15.951,
279.293

Harmonies

Complementary

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



70, 57.804, 88.057



44, 63.825, 291.461

Rectangle

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



70, 57.804, 88.057



70, 57.804, 138.057



70, 57.804, 268.057



70, 57.804, 318.057

Sweetspot

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



70, 57.804, 88.060



95, 21.067, 94.549



48, 59.565, 10.689



50, 14.280, 94.202



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, 57.804, 88.060



84, 78.753, 85.812



77, 70.838, 115.415



42, 4.712, 95.982



55, 60.730, 83.434



11, 16.588, 87.255

Inverse Universe

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



44, 63.825, 291.461



47, 93.489, 296.179



38, 85.468, 305.956



40, 4.747, 278.296



25, 79.087, 300.282



3, 19.500, 285.244

Previews

White Background



This preview shows how the CIELCh color 70, 57.804, 88.057 looks on a white background.

Color Contrast Check

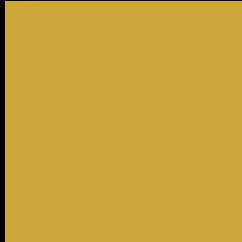
Large Text (above 18pt) WCAG AA × Fail

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, 57.804, 88.057 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, 57.804, 88.057

Background



This preview shows how black text looks on a background with the CIELCh color 70, 57.804, 88.057.



This preview shows how white text looks on a background with the CIELCh color 70, 57.804, 88.057.

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, 57.804, 88.057

Protanopia

70, 57.478, 95.845

Deuteranopia

70, 58.121, 81.127



Tritanopia
70, 22.454, 3.330

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 57.804, 88.057 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(203, 167, 60)` looks like.

```
.text, #text, p{  
    color:rgb(203, 167, 60)  
}
```

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(203, 167, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 167, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 57.804, 88.057 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(203, 167, 60) }
```

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

```
.border{ border-color:rgb(203, 167, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 167, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 167, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 167, 60);  
box-shadow:4px 4px 4px 4px rgb(203, 167,  
60) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 57.804, 88.057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 167, 60) }
```

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

```
.background{ background-color: rgb(203,  
167, 60) }
```

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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