

Converting Colors

CIELCh(70, 65.152, 87.899)

Have a look what the booklet for
CIELCh(70, 65.152, 87.899) contains.

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Color

CIELCh(70, 65.405, 87.869)

Conversions

Conversions Part 1

Format	Color
Hex	CEA728
RGB	206, 167, 40
RGB Percent	81%, 65%, 16%
CMY	0.1935, 0.3463, 0.8446
CMYK	0.00, 0.19, 0.81, 0.19
HSL	46°, 68%, 48%
HSV	46°, 81%, 81%
XYZ	39.4984, 40.7494, 7.7587
YIQ	164.1830, 64.0110, -31.2290

Conversions

Conversions Part 2

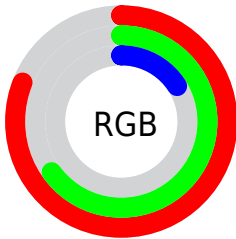
Format	Color
R _Y B	91, 206, 40
Decimal	13543208
CIE Lab	70.00, 2.43, 65.36
CIE LCh	70, 65.405, 87.869
Yxy	40.7494, 0.4488, 0.4630
Android (android.graphics.Color)	4291733288 (0xFFCEA728)
YUV	164.1830, -61.2222, 36.6735
Hunter-Lab	63.8353, -1.2638, 37.4785

Details

The CIELCh color **70, 65.405, 87.869** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle muted orange. A complement of this color would be **39, 76.901, 295.650**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 63.889, 92.242**, and **50, 56.500, 87.251** is the 20% darker color. If you saturate the color by 10%, you get **69, 69.601, 86.290**, and if you desaturate by 10%, it is **71, 59.224, 89.307**.

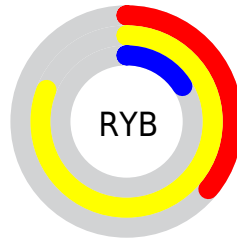
Distribution



Red (81%)

Green (65%)

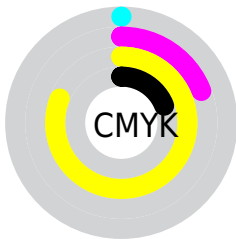
Blue (16%)



Red (36%)

Yellow (81%)

Blue (16%)

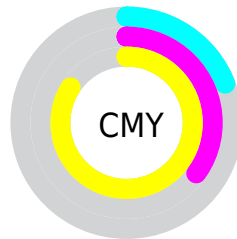


Cyan (0%)

Magenta (19%)

Yellow (81%)

Black (19%)



Cyan (19%)

Magenta (35%)

Yellow (84%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 65.405, 87.869 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, 65.405, 87.869 by changing the saturation by 10% instead.

 70, 65.405, 87.869

 70, 65.405, 87.869

 100, 65.405,
87.869

 60, 65.405, 87.869

 90, 65.405, 87.869

 50, 65.405, 87.869

 40, 65.405, 87.869

 30, 65.405, 87.869

 20, 65.405, 87.869

 10, 65.405, 87.869

 0, 65.405, 87.869

 70, 65.405, 87.869

 70, 65.405, 87.869

 69, 69.601, 86.290

 71, 59.224, 89.307

68, 71.614, 84.653

73, 51.768, 90.668

74, 43.598, 91.988

76, 35.078, 93.280

77, 26.423, 94.546

79, 17.754, 95.781

81, 9.137, 96.975

83, 0.606, 97.860

84, 7.825, 279.302

Harmonies

Complementary

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



70, 65.405, 87.869



39, 76.901, 295.650

Rectangle

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



70, 65.405, 87.869



70, 65.405, 137.869



70, 65.405, 267.869



70, 65.405, 317.869

Sweetspot

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



70, 65.404, 87.872



95, 24.519, 95.343



46, 67.098, 16.108



50, 16.867, 94.897



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, 65.404, 87.872



82, 83.639, 84.950



77, 78.641, 116.244



42, 4.796, 97.130



55, 61.080, 84.975



11, 16.885, 88.883

Inverse Universe

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



39, 76.901, 295.650



40, 111.243, 300.980



33, 97.755, 307.191



40, 4.839, 279.412



24, 80.834, 300.974



3, 19.764, 285.827

Previews

White Background



This preview shows how the CIELCh color 70, 65.405, 87.869 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, 65.405, 87.869 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, 65.405, 87.869

Background



This preview shows how black text looks on a background with the CIELCh color 70, 65.405, 87.869.



This preview shows how white text looks on a background with the CIELCh color 70, 65.405, 87.869.

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, 65.405, 87.869

Protanopia

70, 64.894, 95.213

Deuteranopia

70, 65.571, 82.489



Tritanopia
70, 23.888, 5.994

Trichromacy



Original Color
70, 65.405, 87.869

Protanomaly
70, 64.802, 92.338

Deuteranomaly
70, 65.493, 84.133

Tritanomaly
69, 30.926, 62.040

Monochromacy



Original Color
70, 65.405, 87.869

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 25.795, 94.325

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 65.405, 87.869 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(206, 167, 40)` looks like.

```
.text, #text, p{  
    color:rgb(206, 167, 40)  
}
```

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(206, 167, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 167, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 65.405, 87.869 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(206, 167, 40) }
```

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

```
.border{ border-color:rgb(206, 167, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 167, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 167, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 167, 40);  
box-shadow:4px 4px 4px 4px rgb(206, 167,  
40) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 65.405, 87.869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 167, 40) }
```

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

```
.background{ background-color: rgb(206,  
167, 40) }
```

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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