

Converting Colors

CIELCh(70, 65.059, 87.305)

Have a look what the booklet for
CIELCh(70, 65.059, 87.305) contains.

CIELCh(70, 65.038, 86.971)	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, 65.038, 86.971)

Conversions

Conversions Part 1

Format	Color
Hex	CFA629
RGB	207, 166, 41
RGB Percent	81%, 65%, 16%
CMY	0.1878, 0.3486, 0.8387
CMYK	0.00, 0.20, 0.80, 0.19
HSL	45°, 67%, 49%
HSV	45°, 80%, 81%
XYZ	39.8184, 40.7494, 7.8751
YIQ	164.0090, 64.5610, -30.1830

Conversions

Conversions Part 2

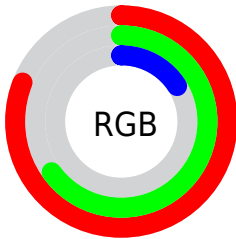
Format	Color
R _Y B	95, 207, 41
Decimal	13608489
CIE Lab	70.00, 3.44, 64.95
CIE LCh	70, 65.038, 86.971
Yxy	40.7494, 0.4502, 0.4607
Android (android.graphics.Color)	4291798569 (0xFFCFA629)
YUV	164.0090, -60.6434, 37.7031
Hunter-Lab	63.8353, -0.3693, 37.3703

Details

The CIELCh color **70, 65.038, 86.971** 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 **40, 75.400, 294.846**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 63.598, 91.797**, and **50, 56.499, 86.193** is the 20% darker color. If you saturate the color by 10%, you get **69, 69.441, 85.338**, and if you desaturate by 10%, it is **71, 58.700, 88.447**.

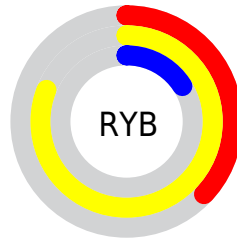
Distribution



Red (81%)

Green (65%)

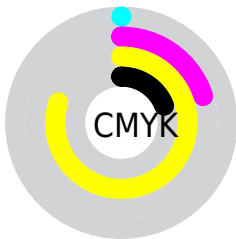
Blue (16%)



Red (37%)

Yellow (81%)

Blue (16%)

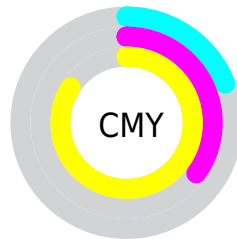


Cyan (0%)

Magenta (20%)

Yellow (80%)

Black (19%)



Cyan (19%)

Magenta (35%)

Yellow (84%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 65.038, 86.971 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, 65.038, 86.971 by changing the saturation by 10% instead.

 70, 65.038, 86.971

 70, 65.038, 86.971

 100, 65.038,
86.971

 60, 65.038, 86.971

 90, 65.038, 86.971

 50, 65.038, 86.971

 40, 65.038, 86.971

 30, 65.038, 86.971

 20, 65.038, 86.971

 10, 65.038, 86.971

 0, 65.038, 86.971

 70, 65.038, 86.971

 70, 65.038, 86.971

 69, 69.441, 85.338

 71, 58.700, 88.447

67, 71.690, 83.512

73, 51.147, 89.836

75, 42.931, 91.177

76, 34.404, 92.487

78, 25.769, 93.767

80, 17.141, 95.014

81, 8.579, 96.217

83, 0.113, 95.740

85, 8.243, 278.564

Harmonies

Complementary

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



70, 65.038, 86.971



40, 75.400, 294.846

Rectangle

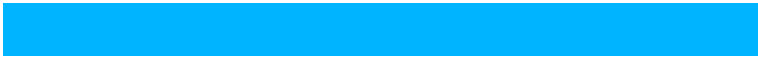
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70, 65.038, 86.971



70, 65.038, 136.971



70, 65.038, 266.971



70, 65.038, 316.971

Sweetspot

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



70, 65.037, 86.974



95, 24.227, 94.502



46, 67.122, 15.871



50, 16.671, 94.051



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, 65.037, 86.974



82, 83.109, 84.033



78, 78.744, 116.231



43, 4.832, 96.303



56, 61.506, 83.839



12, 18.100, 87.436

Inverse Universe

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



40, 75.400, 294.846



41, 108.389, 300.194



34, 97.717, 307.154



41, 4.871, 278.615



25, 80.573, 300.516



3, 21.263, 286.492

Previews

White Background



This preview shows how the CIELCh color 70, 65.038, 86.971 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, 65.038, 86.971 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, 65.038, 86.971

Background



This preview shows how black text looks on a background with the CIELCh color 70, 65.038, 86.971.



This preview shows how white text looks on a background with the CIELCh color 70, 65.038, 86.971.

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, 65.038, 86.971

Protanopia

70, 64.182, 95.599

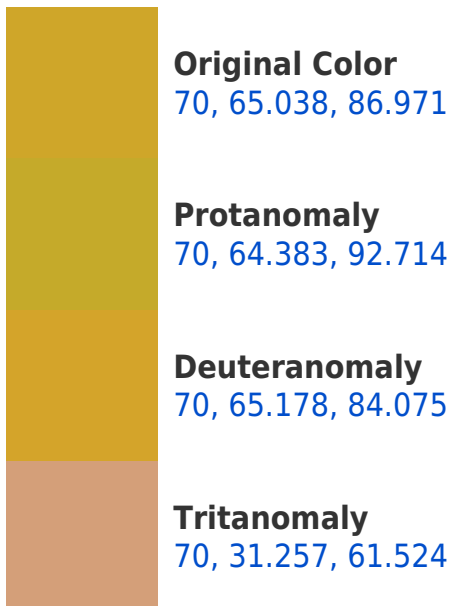
Deuteranopia

70, 65.252, 82.422



Tritanopia
70, 24.271, 6.298

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 65.038, 86.971 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(207, 166, 41)` looks like.

```
.text, #text, p{  
    color:rgb(207, 166, 41)  
}
```

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(207, 166, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 166, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 65.038, 86.971 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(207, 166, 41) }
```

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

```
.border{ border-color:rgb(207, 166, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 166, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 166, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 166, 41);  
box-shadow:4px 4px 4px 4px rgb(207, 166,  
41) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 65.038, 86.971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 166, 41) }
```

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

```
.background{ background-color: rgb(207,  
166, 41) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor