

Converting Colors

CIELCh(70, 43.484, 85.735)

Have a look what the booklet for
CIELCh(70, 43.484, 85.735) contains.

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Color

CIELCh(70, 43.640, 85.825)

Conversions

Conversions Part 1

Format	Color
Hex	C9A75B
RGB	201, 167, 91
RGB Percent	79%, 65%, 36%
CMY	0.2123, 0.3455, 0.6436
CMYK	0.00, 0.17, 0.55, 0.21
HSL	41°, 50%, 57%
HSV	41°, 55%, 79%
XYZ	39.7355, 40.7494, 15.6442
YIQ	168.5020, 44.6600, -16.4280

Conversions

Conversions Part 2

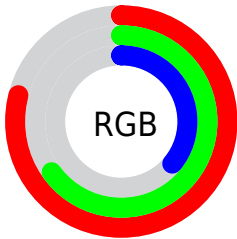
Format	Color
RYB	140, 201, 91
Decimal	13215579
CIELab	70.00, 3.18, 43.52
CIELCh	70, 43.640, 85.825
Yxy	40.7494, 0.4134, 0.4239
Android (android.graphics.Color)	4291405659 (0xFFC9A75B)
YUV	168.5020, -38.2085, 28.5007
Hunter-Lab	63.8353, -0.6008, 30.1544

Details

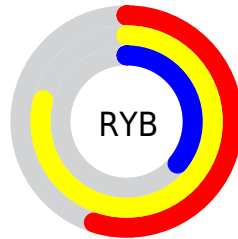
The CIELCh color **70, 43.640, 85.825** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **53, 44.381, 283.264**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 42.876, 88.387**, and **50, 43.663, 85.834** is the 20% darker color. If you saturate the color by 10%, you get **68, 51.385, 84.367**, and if you desaturate by 10%, it is **72, 35.599, 87.231**.

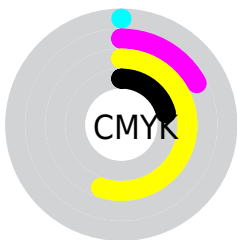
Distribution



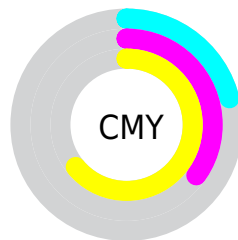
- Red (79%)
- Green (65%)
- Blue (36%)



- Red (55%)
- Yellow (79%)
- Blue (36%)



- Cyan (0%)
- Magenta (17%)
- Yellow (55%)
- Black (21%)



- Cyan (21%)
- Magenta (35%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 43.640, 85.825 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, 43.640, 85.825 by changing the saturation by 10% instead.

70, 43.640, 85.825

70, 43.640, 85.825

100, 43.640,
85.825

60, 43.640, 85.825

90, 43.640, 85.825

50, 43.640, 85.825

40, 43.640, 85.825

30, 43.640, 85.825

20, 43.640, 85.825

10, 43.640, 85.825

0, 43.640, 85.825

70, 43.640, 85.825

70, 43.640, 85.825

68, 51.385, 84.367

72, 35.599, 87.231

66, 58.435, 82.804

74, 27.487, 88.590

65, 64.163, 81.053

76, 19.425, 89.910

63, 67.804, 78.964

78, 11.472, 91.187

62, 69.105, 77.771

80, 3.655, 92.386

82, 4.019, 273.699

84, 11.550,
274.808

86, 18.946,
275.895

88, 18.095,
268.210

Harmonies

Complementary

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



70, 43.640, 85.825



53, 44.381, 283.264

Rectangle

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



70, 43.640, 85.825



70, 43.640, 135.825



70, 43.640, 265.825



70, 43.640, 315.825

Sweetspot

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



70, 43.640, 85.829



96, 15.123, 91.002



53, 47.280, 2.440



51, 10.230, 90.738



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, 43.640, 85.829



84, 63.429, 84.038



77, 56.577, 113.672



41, 4.351, 91.848



51, 59.266, 78.205



9, 14.274, 81.493

Inverse Universe

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



53, 44.381, 283.264



60, 65.893, 286.861



46, 65.225, 302.880



39, 4.361, 274.254



27, 72.035, 297.571



3, 17.009, 282.010

Previews

White Background



This preview shows how the CIELCh color 70, 43.640, 85.825 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, 43.640, 85.825 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, 43.640, 85.825

Background



This preview shows how black text looks on a background with the CIELCh color 70, 43.640, 85.825.



This preview shows how white text looks on a background with the CIELCh color 70, 43.640, 85.825.

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, 43.640, 85.825

Protanopia

70, 42.858, 95.268

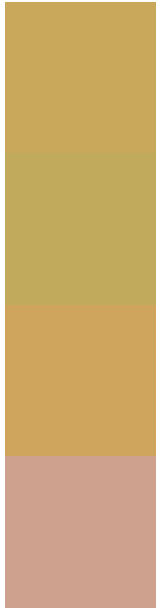
Deuteranopia

70, 44.090, 77.953



Tritanopia
70, 20.406, 2.791

Trichromacy



Original Color
70, 43.640, 85.825

Protanomaly
70, 42.919, 92.294

Deuteranomaly
70, 43.611, 80.228

Tritanomaly
70, 21.376, 51.086

Monochromacy



Original Color
70, 43.640, 85.825

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 16.047, 90.951

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 43.640, 85.825 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(201, 167, 91)` looks like.

```
.text, #text, p{  
    color:rgb(201, 167, 91)  
}
```

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(201, 167, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 167, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 43.640, 85.825 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(201, 167, 91) }
```

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

```
.border{ border-color:rgb(201, 167, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 167, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 167, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 167, 91);  
box-shadow:4px 4px 4px 4px rgb(201, 167,  
91) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 43.640, 85.825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 167, 91) }
```

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

```
.background{ background-color: rgb(201,  
167, 91) }
```

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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