

Converting Colors

CIELCh(70, 51.565, 86.365)

Have a look what the booklet for
CIELCh(70, 51.565, 86.365) contains.

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Color

CIELCh(70, 51.565, 86.365)

Conversions

Conversions Part 1

Format	Color
Hex	CCA74B
RGB	204, 167, 75
RGB Percent	80%, 65%, 29%
CMY	0.2019, 0.3468, 0.7075
CMYK	0.00, 0.18, 0.63, 0.20
HSL	43°, 56%, 55%
HSV	43°, 63%, 80%
XYZ	39.7649, 40.7494, 12.3507
YIQ	167.5750, 51.5840, -20.7680

Conversions

Conversions Part 2

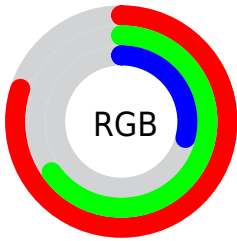
Format	Color
RYB	127, 204, 75
Decimal	13412171
CIELab	70.00, 3.27, 51.46
CIELCh	70, 51.565, 86.365
Yxy	40.7494, 0.4282, 0.4388
Android (android.graphics.Color)	4291602251 (0xFFCCA74B)
YUV	167.5750, -45.6395, 31.9447
Hunter-Lab	63.8353, -0.5187, 33.2134

Details

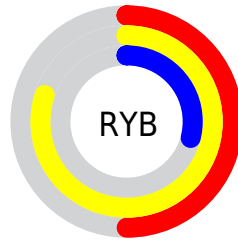
The CIELCh color **70, 51.565, 86.365** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **49, 54.170, 287.237**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 50.439, 90.305**, and **50, 51.485, 86.386** is the 20% darker color. If you saturate the color by 10%, you get **68, 58.766, 84.866**, and if you desaturate by 10%, it is **72, 43.668, 87.790**.

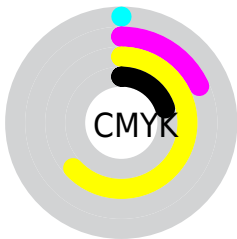
Distribution



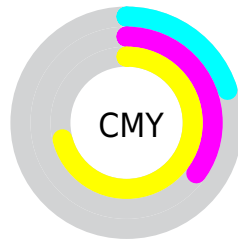
- Red (80%)
- Green (65%)
- Blue (29%)



- Red (50%)
- Yellow (80%)
- Blue (29%)



- Cyan (0%)
- Magenta (18%)
- Yellow (63%)
- Black (20%)



- Cyan (20%)
- Magenta (35%)
- Yellow (71%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 51.565, 86.365 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, 51.565, 86.365 by changing the saturation by 10% instead.

 70, 51.565, 86.365

 70, 51.565, 86.365

 100, 51.565,
86.365

 60, 51.565, 86.365

 90, 51.565, 86.365

 50, 51.565, 86.365

 40, 51.565, 86.365

 30, 51.565, 86.365

 20, 51.565, 86.365

 10, 51.565, 86.365

 0, 51.565, 86.365

 70, 51.565, 86.365

 70, 51.565, 86.365

 68, 58.766, 84.866

 72, 43.668, 87.790

67, 64.663, 83.213

74, 35.459, 89.162

65, 68.504, 81.287

75, 27.161, 90.496

64, 70.039, 79.862

77, 18.894, 91.793

79, 10.719, 93.046

81, 2.664, 94.206

83, 5.261, 275.499

85, 13.054,
276.599

87, 19.343,
276.426

Harmonies

Complementary

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



70, 51.565, 86.365



49, 54.170, 287.237

Rectangle

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



70, 51.565, 86.365



70, 51.565, 136.365



70, 51.565, 266.365



70, 51.565, 316.365

Sweetspot

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



70, 51.565, 86.368



95, 18.401, 92.313



51, 54.517, 5.878



50, 12.692, 91.947



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, 51.565, 86.368



83, 72.424, 84.285



78, 64.949, 114.050



42, 4.545, 93.526



53, 60.181, 80.252



11, 16.033, 83.760

Inverse Universe

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



49, 54.170, 287.237



53, 79.534, 291.586



41, 76.990, 304.411



40, 4.566, 275.902



26, 75.405, 298.729



3, 18.964, 283.992

Previews

White Background



This preview shows how the CIELCh color 70, 51.565, 86.365 looks on a white background.

Color Contrast Check

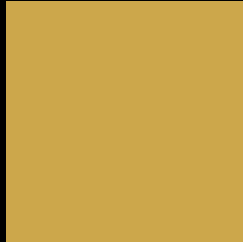
Large Text (above 18pt) WCAG AA × Fail

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, 51.565, 86.365 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, 51.565, 86.365

Background



This preview shows how black text looks on a background with the CIELCh color 70, 51.565, 86.365.



This preview shows how white text looks on a background with the CIELCh color 70, 51.565, 86.365.

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, 51.565, 86.365

Protanopia

70, 50.902, 96.008

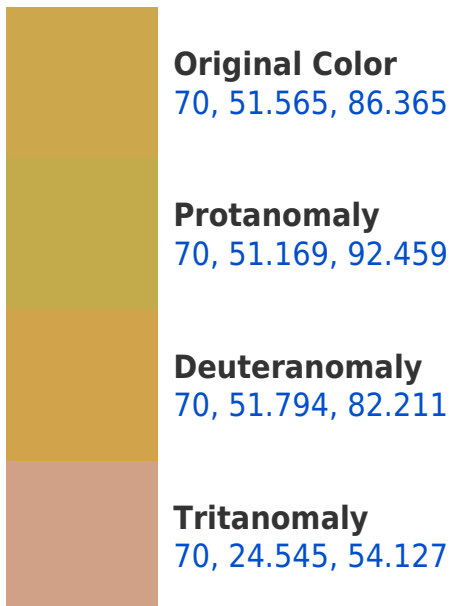
Deuteranopia

70, 51.785, 80.101



Tritanopia
70, 21.934, 4.313

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 51.565, 86.365 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(204, 167, 75)` looks like.

```
.text, #text, p{  
    color:rgb(204, 167, 75)  
}
```

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(204, 167, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 167, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 51.565, 86.365 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(204, 167, 75) }
```

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

```
.border{ border-color:rgb(204, 167, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 167, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 167, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 167, 75);  
box-shadow:4px 4px 4px 4px rgb(204, 167,  
75) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 51.565, 86.365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 167, 75) }
```

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

```
.background{ background-color: rgb(204,  
167, 75) }
```

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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