

Converting Colors

CIELCh(71, 49.269, 70.737)

Have a look what the booklet for
CIELCh(71, 49.269, 70.737) contains.

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Color

CIELCh(71, 49.089, 70.571)

Conversions

Conversions Part 1

Format	Color
Hex	E1A159
RGB	225, 161, 89
RGB Percent	88%, 63%, 35%
CMY	0.1179, 0.3688, 0.6512
CMYK	0.00, 0.28, 0.60, 0.12
HSL	32°, 69%, 62%
HSV	32°, 60%, 88%
XYZ	45.5674, 42.1875, 15.1805
YIQ	171.9280, 61.2560, -8.8240

Conversions

Conversions Part 2

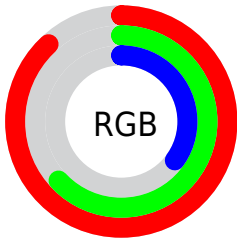
Format	Color
R_{YB}	210, 225, 89
Decimal	14786905
CIE _{Lab}	71.00, 16.33, 46.29
CIE _{LCh}	71, 49.089, 70.571
Yxy	42.1875, 0.4427, 0.4098
Android (android.graphics.Color)	4292976985 (0xFFE1A159)
YUV	171.9280, -40.8835, 46.5441
Hunter-Lab	64.9519, 11.5619, 31.6091

Details

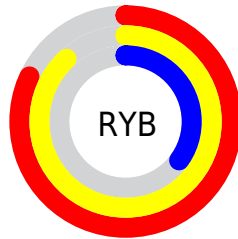
The CIELCh color **71, 49.089, 70.571** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **62, 42.686, 271.371**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 42.132, 84.448**, and **51, 49.144, 70.339** is the 20% darker color. If you saturate the color by 10%, you get **68, 57.788, 69.087**, and if you desaturate by 10%, it is **74, 40.303, 71.966**.

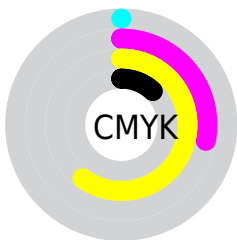
Distribution



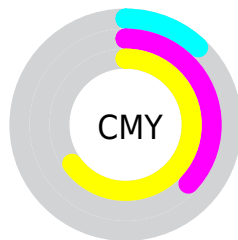
- Red (88%)
- Green (63%)
- Blue (35%)



- Red (82%)
- Yellow (88%)
- Blue (35%)



- Cyan (0%)
- Magenta (28%)
- Yellow (60%)
- Black (12%)



- Cyan (12%)
- Magenta (37%)
- Yellow (65%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 49.089, 70.571 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 71, 49.089, 70.571 by changing the saturation by 10% instead.

 71, 49.089, 70.571

 71, 49.089, 70.571

 100, 49.089,
70.571

 61, 49.089, 70.571

 91, 49.089, 70.571

 51, 49.089, 70.571

 41, 49.089, 70.571

 31, 49.089, 70.571

 21, 49.089, 70.571

 11, 49.089, 70.571

 1, 49.089, 70.571

 0, 49.089, 70.571

 71, 49.089, 70.571

 71, 49.089, 70.571

68, 57.788, 69.087

74, 40.303, 71.966

66, 65.883, 67.379

77, 31.690, 73.313

63, 72.483, 65.208

80, 23.364, 74.634

61, 76.835, 62.559

83, 15.363, 75.931

86, 7.687, 77.187

89, 0.321, 77.315

93, 6.762, 259.757

96, 8.409, 234.097

98, 10.193,
198.827

Harmonies

Complementary

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



71, 49.089, 70.571



62, 42.686, 271.371

Rectangle

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



71, 49.089, 70.571



71, 49.089, 120.571



71, 49.089, 250.571



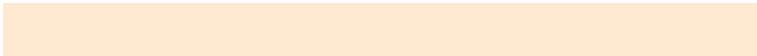
71, 49.089, 300.571

Sweetspot

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



71, 49.088, 70.575



94, 14.892, 76.229



58, 59.789, 351.908



49, 10.412, 75.854



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



71, 49.088, 70.575



76, 66.358, 68.597



87, 66.671, 105.396



45, 4.157, 77.310



48, 63.780, 63.217



12, 19.690, 63.567

Inverse Universe

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



62, 42.686, 271.371



64, 56.806, 276.113



45, 79.949, 300.089



45, 4.085, 259.851



37, 57.749, 286.663



7, 19.919, 277.566

Previews

White Background



This preview shows how the CIELCh color 71, 49.089, 70.571 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 71, 49.089, 70.571 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 71, 49.089, 70.571

Background



This preview shows how black text looks on a background with the CIELCh color 71, 49.089, 70.571.



This preview shows how white text looks on a background with the CIELCh color 71, 49.089, 70.571.

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

71, 49.089, 70.571

Protanopia

71, 43.739, 95.474

Deuteranopia

71, 47.392, 79.093



Tritanopia
71, 31.749, 10.909

Trichromacy



Original Color
71, 49.089, 70.571

Protanomaly
71, 44.209, 85.517

Deuteranomaly
71, 48.004, 75.865

Tritanomaly
71, 32.858, 39.042

Monochromacy



Original Color
71, 49.089, 70.571

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 17.058, 75.411

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 49.089, 70.571 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(225, 161, 89)` looks like.

```
.text, #text, p{  
    color:rgb(225, 161, 89)  
}
```

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(225, 161, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 161, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 49.089, 70.571 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(225, 161, 89) }
```

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

```
.border{ border-color:rgb(225, 161, 89) }
```

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

Here you see how a box with a 4 pixel rgb(225, 161, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 161, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 161, 89);  
box-shadow:4px 4px 4px 4px rgb(225, 161,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 49.089, 70.571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 161, 89) }
```

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

```
.background{ background-color: rgb(225,  
161, 89) }
```

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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