

Converting Colors

CIELCh(71, 49.221, 88.398)

Have a look what the booklet for
CIELCh(71, 49.221, 88.398) contains.

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Color

CIELCh(71, 49.014, 87.985)

Conversions

Conversions Part 1

Format	Color
Hex	CBA52
RGB	203, 170, 82
RGB Percent	80%, 67%, 32%
CMY	0.2029, 0.3324, 0.6775
CMYK	0.00, 0.16, 0.60, 0.20
HSL	44°, 54%, 56%
HSV	44°, 60%, 80%
XYZ	40.6533, 42.1875, 14.0296
YIQ	169.8350, 47.9160, -20.3720

Conversions

Conversions Part 2

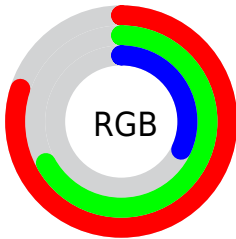
Format	Color
RYB	127, 203, 82
Decimal	13347410
CIELab	71.00, 1.72, 48.98
CIELCh	71, 49.014, 87.985
Yxy	42.1875, 0.4197, 0.4355
Android (android.graphics.Color)	4291537490 (0xFFCBAA52)
YUV	169.8350, -43.3027, 29.0857
Hunter-Lab	64.9519, -1.9429, 32.6597

Details

The CIELCh color **71, 49.014, 87.985** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **50, 51.588, 286.994**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 48.089, 91.393**, and **51, 49.140, 87.834** is the 20% darker color. If you saturate the color by 10%, you get **69, 56.522, 86.549**, and if you desaturate by 10%, it is **73, 40.947, 89.368**.

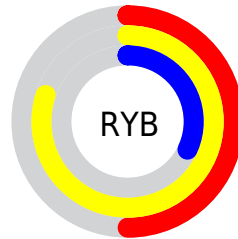
Distribution



Red (80%)

Green (67%)

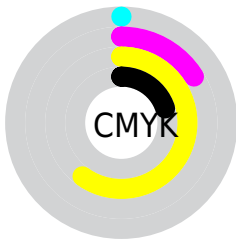
Blue (32%)



Red (50%)

Yellow (80%)

Blue (32%)

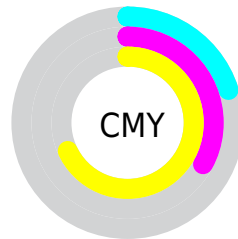


Cyan (0%)

Magenta (16%)

Yellow (60%)

Black (20%)



Cyan (20%)

Magenta (33%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 49.014, 87.985 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, 49.014, 87.985 by changing the saturation by 10% instead.

 71, 49.014, 87.985

 71, 49.014, 87.985

 100, 49.014,
87.985

 61, 49.014, 87.985

 91, 49.014, 87.985

 51, 49.014, 87.985

 41, 49.014, 87.985

 31, 49.014, 87.985

 21, 49.014, 87.985

 11, 49.014, 87.985

 1, 49.014, 87.985

 0, 49.014, 87.985

 71, 49.014, 87.985

 71, 49.014, 87.985

69, 56.522, 86.549

73, 40.947, 89.368

68, 62.947, 85.005

74, 32.642, 90.709

66, 67.573, 83.263

76, 24.280, 92.015

65, 70.082, 81.248

78, 15.961, 93.284

65, 70.188, 81.156

80, 7.734, 94.504

82, 0.378, 276.260

84, 8.366, 276.890

86, 16.232,
277.973

88, 18.891,
274.599

Harmonies

Complementary

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



71, 49.014, 87.985



50, 51.588, 286.994

Rectangle

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



71, 49.014, 87.985



71, 49.014, 137.985



71, 49.014, 267.985



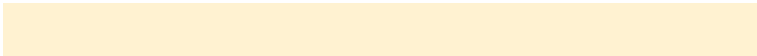
71, 49.014, 317.985

Sweetspot

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



71, 49.014, 87.988



96, 17.655, 93.446



52, 51.390, 6.129



51, 12.294, 93.078



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, 49.014, 87.988



85, 69.028, 86.191



78, 61.756, 114.957



42, 4.610, 94.521



54, 60.372, 81.522



11, 16.246, 85.177

Inverse Universe

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



50, 51.588, 286.994



55, 75.287, 290.743



44, 72.014, 304.339



40, 4.637, 276.873



26, 76.885, 299.370



3, 19.180, 284.507

Previews

White Background



This preview shows how the CIELCh color 71, 49.014, 87.985 looks on a white background.

Color Contrast Check

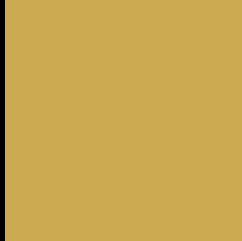
Large Text (above 18pt) WCAG AA × Fail

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, 49.014, 87.985 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, 49.014, 87.985

Background



This preview shows how black text looks on a background with the CIELCh color 71, 49.014, 87.985.



This preview shows how white text looks on a background with the CIELCh color 71, 49.014, 87.985.

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, 49.014, 87.985

Protanopia

71, 48.619, 95.406

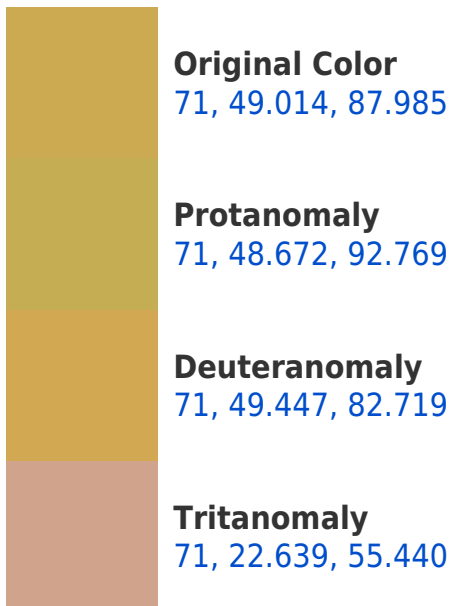
Deuteranopia

71, 49.876, 79.566



Tritanopia
71, 20.868, 1.721

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 49.014, 87.985 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(203, 170, 82)` looks like.

```
.text, #text, p{  
    color:rgb(203, 170, 82)  
}
```

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(203, 170, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 170, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 49.014, 87.985 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(203, 170, 82) }
```

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

```
.border{ border-color:rgb(203, 170, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 170, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 170, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 170, 82);  
box-shadow:4px 4px 4px 4px rgb(203, 170,  
82) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 49.014, 87.985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 170, 82) }
```

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

```
.background{ background-color: rgb(203,  
170, 82) }
```

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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