

Converting Colors

CIELCh(70, 47.255, 71.562)

Have a look what the booklet for
CIELCh(70, 47.255, 71.562) contains.

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Color

CIELCh(70, 47.198, 71.599)

Conversions

Conversions Part 1

Format	Color
Hex	DB9F59
RGB	219, 159, 89
RGB Percent	86%, 62%, 35%
CMY	0.1398, 0.3752, 0.6498
CMYK	0.00, 0.27, 0.59, 0.14
HSL	32°, 65%, 61%
HSV	32°, 59%, 86%
XYZ	43.5914, 40.7494, 15.0862
YIQ	168.9600, 58.2300, -9.0500

Conversions

Conversions Part 2

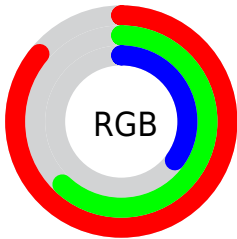
Format	Color
R _{YB}	200, 219, 89
Decimal	14393177
CIE Lab	70.00, 14.90, 44.78
CIE LCh	70, 47.198, 71.599
Yxy	40.7494, 0.4384, 0.4098
Android (android.graphics.Color)	4292583257 (0xFFDB9F59)
YUV	168.9600, -39.4203, 43.8851
Hunter-Lab	63.8353, 10.1810, 30.6727

Details

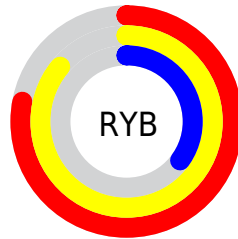
The CIELCh color **70, 47.198, 71.599** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **61, 41.568, 271.871**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 41.622, 82.959**, and **50, 47.177, 71.582** is the 20% darker color. If you saturate the color by 10%, you get **67, 55.710, 70.113**, and if you desaturate by 10%, it is **73, 38.619, 73.003**.

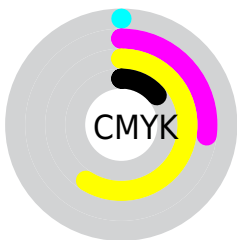
Distribution



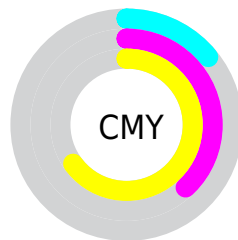
- Red (86%)
- Green (62%)
- Blue (35%)



- Red (78%)
- Yellow (86%)
- Blue (35%)



- Cyan (0%)
- Magenta (27%)
- Yellow (59%)
- Black (14%)



- Cyan (14%)
- Magenta (38%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 47.198, 71.599 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, 47.198, 71.599 by changing the saturation by 10% instead.

70, 47.198, 71.599

70, 47.198, 71.599

100, 47.198,
71.599

60, 47.198, 71.599

90, 47.198, 71.599

50, 47.198, 71.599

40, 47.198, 71.599

30, 47.198, 71.599

20, 47.198, 71.599

10, 47.198, 71.599

0, 47.198, 71.599

70, 47.198, 71.599

70, 47.198, 71.599

67, 55.710, 70.113

73, 38.619, 73.003

65, 63.684, 68.424

76, 30.210, 74.359

62, 70.297, 66.317

79, 22.072, 75.689

60, 74.830, 63.585

82, 14.241, 76.991

60, 75.142, 63.397

85, 6.718, 78.246

88, 0.514, 260.254

91, 7.480, 260.811

94, 10.208,
247.028

96, 10.675,
211.454

Harmonies

Complementary

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



70, 47.198, 71.599



61, 41.568, 271.871

Rectangle

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



70, 47.198, 71.599



70, 47.198, 121.599



70, 47.198, 251.599



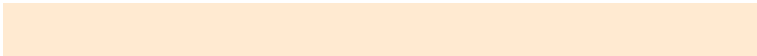
70, 47.198, 301.599

Sweetspot

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



70, 47.198, 71.603



94, 14.982, 77.136



57, 57.238, 352.784



49, 10.474, 76.759



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, 47.198, 71.603



77, 64.565, 69.746



85, 64.296, 106.300



45, 4.107, 78.228



48, 62.899, 64.033



11, 18.421, 64.257

Inverse Universe

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



61, 41.568, 271.871



64, 56.077, 276.223



45, 76.629, 300.162



44, 4.040, 260.769



36, 58.063, 287.398



7, 19.206, 277.318

Previews

White Background



This preview shows how the CIELCh color 70, 47.198, 71.599 looks on a white background.

Color Contrast Check

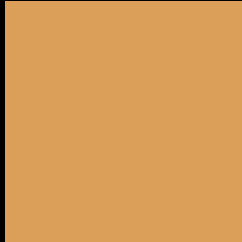
Large Text (above 18pt) WCAG AA × Fail

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, 47.198, 71.599 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, 47.198, 71.599

Background



This preview shows how black text looks on a background with the CIELCh color 70, 47.198, 71.599.



This preview shows how white text looks on a background with the CIELCh color 70, 47.198, 71.599.

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, 47.198, 71.599

Protanopia

70, 42.737, 95.875

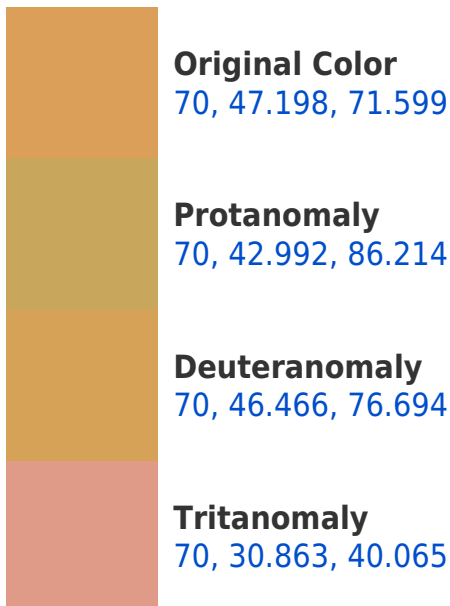
Deuteranopia

70, 45.934, 78.840



Tritanopia
70, 29.785, 10.944

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 47.198, 71.599 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(219, 159, 89)` looks like.

```
.text, #text, p{  
    color:rgb(219, 159, 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(219, 159, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 159, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 47.198, 71.599 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(219, 159, 89) }
```

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

```
.border{ border-color:rgb(219, 159, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 159, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 159, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 159, 89);  
box-shadow:4px 4px 4px 4px rgb(219, 159,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 47.198, 71.599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 159, 89) }
```

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

```
.background{ background-color: rgb(219,  
159, 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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