

Converting Colors

CIELCh(72, 47.091, 90.719)

Have a look what the booklet for
CIELCh(72, 47.091, 90.719) contains.

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Color

CIELCh(72, 46.766, 90.361)

Conversions

Conversions Part 1

Format	Color
Hex	CAAE59
RGB	202, 174, 89
RGB Percent	79%, 68%, 35%
CMY	0.2070, 0.3169, 0.6502
CMYK	0.00, 0.14, 0.56, 0.21
HSL	45°, 52%, 57%
HSV	45°, 56%, 79%
XYZ	41.4000, 43.6590, 15.7373
YIQ	172.6820, 43.9730, -20.4990

Conversions

Conversions Part 2

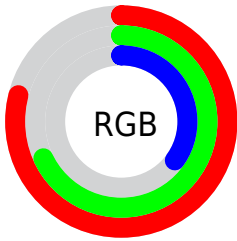
Format	Color
RYB	126, 202, 89
Decimal	13282905
CIELab	72.00, -0.29, 46.77
CIELCh	72, 46.766, 90.361
Yxy	43.6590, 0.4107, 0.4331
Android (android.graphics.Color)	4291472985 (0xFFCAAEE59)
YUV	172.6820, -41.2552, 25.7119
Hunter-Lab	66.0750, -3.7902, 32.1312

Details

The CIELCh color **72, 46.766, 90.361** 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 **51, 49.644, 287.509**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 46.085, 93.153**, and **52, 46.916, 90.612** is the 20% darker color. If you saturate the color by 10%, you get **70, 54.510, 89.000**, and if you desaturate by 10%, it is **74, 38.547, 91.691**.

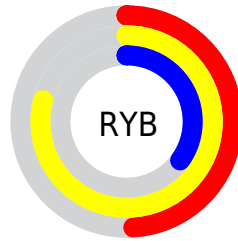
Distribution



Red (79%)

Green (68%)

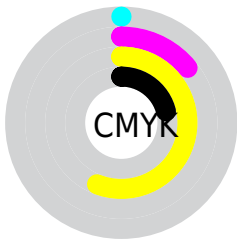
Blue (35%)



Red (49%)

Yellow (79%)

Blue (35%)

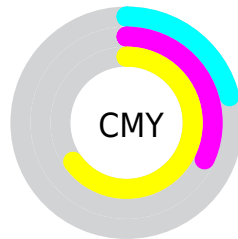


Cyan (0%)

Magenta (14%)

Yellow (56%)

Black (21%)



Cyan (21%)

Magenta (32%)

Yellow (65%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 46.766, 90.361 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 72, 46.766, 90.361 by changing the saturation by 10% instead.

 72, 46.766, 90.361

 72, 46.766, 90.361

 100, 46.766,
90.361

 62, 46.766, 90.361

 92, 46.766, 90.361

 52, 46.766, 90.361

 42, 46.766, 90.361

 32, 46.766, 90.361

 22, 46.766, 90.361

 12, 46.766, 90.361

 2, 46.766, 90.361

 0, 46.766, 90.361

 72, 46.766, 90.361

 72, 46.766, 90.361

70, 54.510, 89.000

74, 38.547, 91.691

69, 61.327, 87.571

75, 30.124, 92.987

68, 66.568, 86.017

77, 21.653, 94.252

66, 69.560, 84.240

79, 13.219, 95.481

66, 70.409, 83.475

80, 4.866, 96.653

82, 3.384, 277.900

84, 11.526,
278.968

86, 19.556,
280.019

87, 19.341,
274.872

Harmonies

Complementary

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



72, 46.766, 90.361



51, 49.644, 287.509

Rectangle

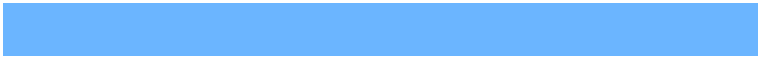
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72, 46.766, 90.361



72, 46.766, 140.361



72, 46.766, 270.361



72, 46.766, 320.361

Sweetspot

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



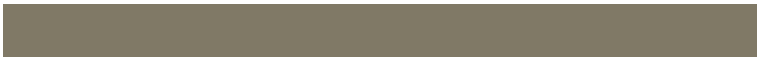
72, 46.766, 90.364



96, 17.082, 95.319



53, 48.032, 7.747



51, 11.439, 95.071



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



72, 46.766, 90.364



87, 66.667, 88.718



77, 58.528, 116.593



42, 4.731, 96.253



55, 60.807, 83.794



11, 16.656, 87.639

Inverse Universe

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



51, 49.644, 287.509



56, 73.186, 290.924



46, 67.044, 304.778



40, 4.768, 278.559



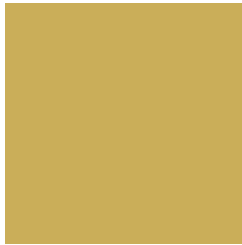
25, 79.498, 300.447



3, 19.561, 285.381

Previews

White Background



This preview shows how the CIELCh color 72, 46.766, 90.361 looks on a white background.

Color Contrast Check

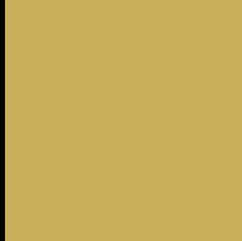
Large Text (above 18pt) WCAG AA × Fail

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 72, 46.766, 90.361 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 72, 46.766, 90.361

Background



This preview shows how black text looks on a background with the CIELCh color 72, 46.766, 90.361.



This preview shows how white text looks on a background with the CIELCh color 72, 46.766, 90.361.

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

72, 46.766, 90.361

Protanopia

72, 46.546, 95.858

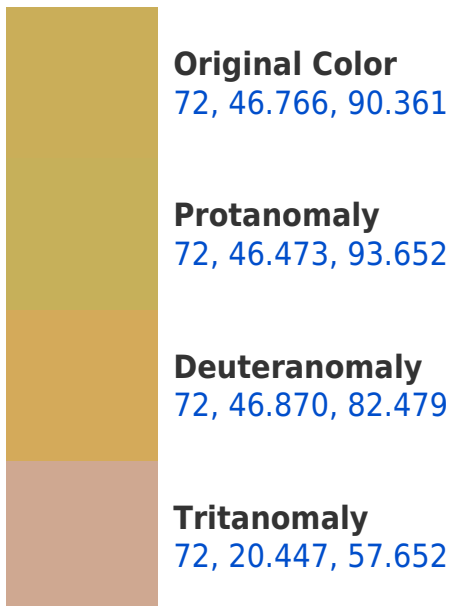
Deuteranopia

72, 47.068, 78.502



Tritanopia
72, 18.954, 359.439

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 46.766, 90.361 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(202, 174, 89)` looks like.

```
.text, #text, p{  
    color:rgb(202, 174, 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(202, 174, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 174, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 46.766, 90.361 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(202, 174, 89) }
```

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

```
.border{ border-color:rgb(202, 174, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 174, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 174, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 174, 89);  
box-shadow:4px 4px 4px 4px rgb(202, 174,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 46.766, 90.361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 174, 89) }
```

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

```
.background{ background-color: rgb(202,  
174, 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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