

Converting Colors

CIELCh(72, 42.461, 112.877)

Have a look what the booklet for
CIELCh(72, 42.461, 112.877)
contains.

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Color

CIELCh(72, 42.492, 112.862)

Conversions

Conversions Part 1

Format	Color
Hex	ABB767
RGB	171, 183, 103
RGB Percent	67%, 72%, 40%
CMY	0.3283, 0.2812, 0.5950
CMYK	0.07, 0.00, 0.44, 0.28
HSL	69°, 36%, 56%
HSV	69°, 44%, 72%
XYZ	36.3108, 43.6590, 19.4151
YIQ	170.2920, 18.5280, -27.4240

Conversions

Conversions Part 2

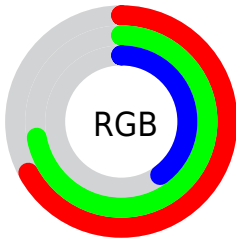
Format	Color
RYB	103, 183, 115
Decimal	11253607
CIELab	72.00, -16.51, 39.15
CIELCh	72, 42.492, 112.862
Yxy	43.6590, 0.3654, 0.4393
Android (android.graphics.Color)	4289443687 (0xFFABB767)
YUV	170.2920, -33.1750, 0.6209
Hunter-Lab	66.0750, -17.5384, 28.8310

Details

The CIELCh color $72, 42.492, 112.862$ is a light color, and the websafe version is hex `CCCC66`. A complement of this color would be $48, 47.351, 300.441$, and the grayscale version is $70, 0.009, 296.813$.

A 20% lighter version of the original color is $92, 42.777, 113.109$, and $52, 42.608, 112.882$ is the 20% darker color. If you saturate the color by 10%, you get $72, 51.405, 112.229$, and if you desaturate by 10%, it is $72, 33.100, 113.569$.

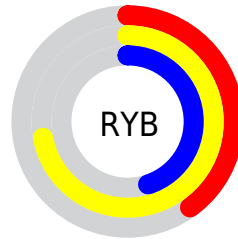
Distribution



Red (67%)

Green (72%)

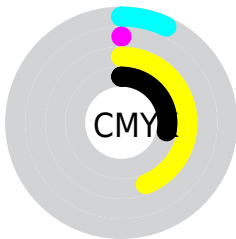
Blue (40%)



Red (40%)

Yellow (72%)

Blue (45%)

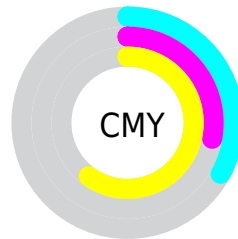


Cyan (7%)

Magenta (0%)

Yellow (44%)

Black (28%)



Cyan (33%)


Magenta (28%)

Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 42.492, 112.862 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, 42.492, 112.862 by changing the saturation by 10% instead.

 72, 42.492,
112.862


 72, 42.492,
112.862


 100, 42.492,
112.862


 62, 42.492,
112.862


 92, 42.492,
112.862

 52, 42.492,
112.862

 42, 42.492,
112.862

 32, 42.492,
112.862

 22, 42.492,
112.862

 12, 42.492,
112.862

 2, 42.492, 112.862

0, 42.492, 112.862

72, 42.492,
112.862

72, 42.492,
112.862

72, 51.405,
112.229

72, 33.100,
113.569

71, 59.553,
111.713

73, 23.416,
114.308

71, 66.551,
111.384

74, 13.566,
115.054

71, 71.942,
111.320

74, 3.634, 115.790

70, 75.358,
111.591

75, 6.325, 296.510

70, 76.782,
111.887

76, 16.272,
297.198

77, 26.178,

297.852

■ 77, 36.022,
298.471

■ 78, 38.810,
299.570

Harmonies

Complementary

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



72, 42.492, 112.862



48, 47.351, 300.441

Rectangle

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



72, 42.492, 112.862



72, 42.492, 162.862



72, 42.492, 292.862



72, 42.492, 342.862

Sweetspot

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



72, 42.493, 112.864



93, 15.921, 115.087



55, 31.429, 33.719



50, 11.225, 114.923



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



72, 42.493, 112.864



90, 61.512, 112.276



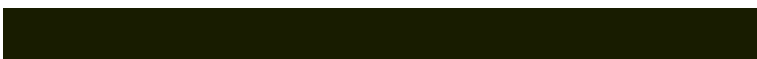
69, 47.229, 131.529



39, 5.639, 115.375



60, 67.994, 111.779



9, 15.465, 118.228

Inverse Universe

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



48, 47.351, 300.441



55, 70.653, 301.702



52, 49.248, 315.468



36, 5.758, 296.781



18, 91.520, 306.961



1, 15.445, 294.632

Previews

White Background



This preview shows how the CIELCh color 72, 42.492, 112.862 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 72, 42.492, 112.862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

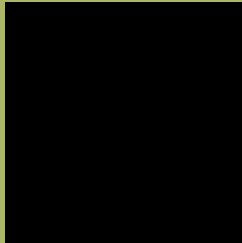
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 42.492, 112.862

Background



This preview shows how black text looks on a background with the CIELCh color 72, 42.492, 112.862.

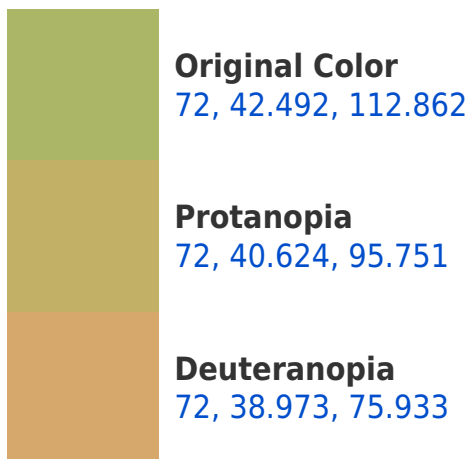


This preview shows how white text looks on a background with the CIELCh color 72, 42.492, 112.862.

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





Tritanopia
72, 7.572, 310.679

Trichromacy



Original Color
72, 42.492, 112.862

Protanomaly
72, 40.884, 102.509

Deuteranomaly
72, 37.956, 90.679

Tritanomaly
72, 10.837, 109.100

Monochromacy



Original Color
72, 42.492, 112.862

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 15.823, 114.346

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 42.492, 112.862 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(171, 183, 103)` looks like.

```
.text, #text, p{  
    color:rgb(171, 183, 103)  
}
```

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(171, 183, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 183, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 42.492, 112.862 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(171, 183, 103) }
```

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

```
.border{ border-color:rgb(171, 183, 103) }
```

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

Here you see how a box with a 4 pixel rgb(171, 183, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 183, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 183, 103);  
box-shadow:4px 4px 4px 4px rgb(171, 183,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 42.492, 112.862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 183, 103) }
```

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

```
.background{ background-color: rgb(171,  
183, 103) }
```

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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