

Converting Colors

CIELCh(72, 45.224, 114.201)

Have a look what the booklet for
CIELCh(72, 45.224, 114.201)
contains.

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Color

CIELCh(72, 45.083, 113.876)

Conversions

Conversions Part 1

Format	Color
Hex	A9B863
RGB	169, 184, 99
RGB Percent	66%, 72%, 39%
CMY	0.3369, 0.2781, 0.6115
CMYK	0.08, 0.00, 0.46, 0.28
HSL	71°, 37%, 56%
HSV	71°, 46%, 72%
XYZ	35.7912, 43.6590, 18.3632
YIQ	169.8250, 18.3450, -29.6150

Conversions

Conversions Part 2

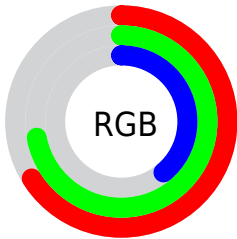
Format	Color
R_{YB}	99, 184, 114
Decimal	11122787
CIE Lab	72.00, -18.25, 41.22
CIE LCh	72, 45.083, 113.876
Yxy	43.6590, 0.3659, 0.4464
Android (android.graphics.Color)	4289312867 (0xFFA9B863)
YUV	169.8250, -34.9167, -0.7235
Hunter-Lab	66.0750, -18.9422, 29.7750

Details

The CIELCh color **72, 45.083, 113.876** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **47, 50.522, 301.544**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 45.267, 113.598**, and **52, 45.115, 113.938** is the 20% darker color. If you saturate the color by 10%, you get **72, 53.901, 113.303**, and if you desaturate by 10%, it is **73, 35.726, 114.536**.

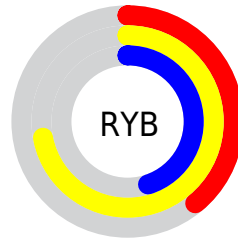
Distribution



Red (66%)

Green (72%)

Blue (39%)



Red (39%)

Yellow (72%)

Blue (45%)

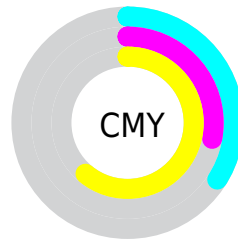


Cyan (8%)

Magenta (0%)

Yellow (46%)

Black (28%)



Cyan (34%)


Magenta (28%)


Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 45.083, 113.876 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, 45.083, 113.876 by changing the saturation by 10% instead.


 72, 45.083,
113.876


 72, 45.083,
113.876


 100, 45.083,
113.876


 62, 45.083,
113.876


 92, 45.083,
113.876

 52, 45.083,
113.876

 42, 45.083,
113.876

 32, 45.083,
113.876

 22, 45.083,
113.876

 12, 45.083,
113.876

 2, 45.083, 113.876

■ 0, 45.083, 113.876

■ 72, 45.083,
113.876

■ 72, 45.083,
113.876

■ 72, 53.901,
113.303

■ 73, 35.726,
114.536

■ 71, 61.868,
112.869

■ 73, 26.037,
115.236

■ 71, 68.574,
112.651

■ 74, 16.156,
115.950

■ 70, 73.564,
112.736

■ 74, 6.178, 116.658

■ 70, 76.559,
113.184

■ 75, 3.837, 297.346

■ 70, 77.445,
113.397

■ 76, 13.844,
298.008

■ 77, 23.812,

298.638

■ 78, 33.720,
299.232

■ 78, 38.415,
300.321

Harmonies

Complementary

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



72, 45.083, 113.876



47, 50.522, 301.544

Rectangle

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



72, 45.083, 113.876



72, 45.083, 163.876



72, 45.083, 293.876



72, 45.083, 343.876

Sweetspot

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



72, 45.084, 113.878



93, 17.334, 116.088



55, 32.928, 36.725



50, 11.953, 115.936



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, 45.084, 113.878



91, 65.432, 113.317



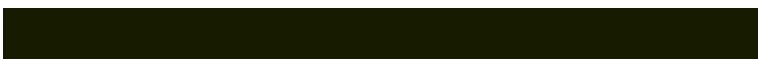
69, 50.510, 132.431



39, 5.652, 116.436



60, 68.352, 113.270



9, 15.555, 119.707

Inverse Universe

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



47, 50.522, 301.544



54, 75.721, 302.815



51, 52.507, 316.618



36, 5.770, 297.773



18, 91.254, 307.154



1, 15.464, 295.394

Previews

White Background



This preview shows how the CIELCh color 72, 45.083, 113.876 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, 45.083, 113.876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

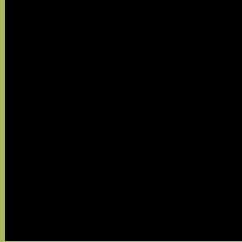
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 45.083, 113.876

Background



This preview shows how black text looks on a background with the CIELCh color 72, 45.083, 113.876.



This preview shows how white text looks on a background with the CIELCh color 72, 45.083, 113.876.

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, 7.974, 306.878

Trichromacy



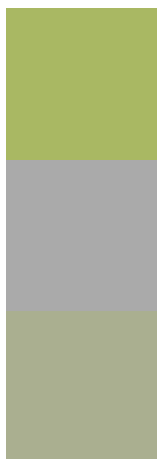
Original Color
72, 45.083, 113.876

Protanomaly
72, 43.369, 102.447

Deuteranomaly
72, 39.945, 91.202

Tritanomaly
72, 11.940, 112.745

Monochromacy



Original Color
72, 45.083, 113.876

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 16.943, 115.222

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 45.083, 113.876 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(169, 184, 99)` looks like.

```
.text, #text, p{  
    color:rgb(169, 184, 99)  
}
```

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(169, 184, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 184, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 45.083, 113.876 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(169, 184, 99) }
```

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

```
.border{ border-color:rgb(169, 184, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 184, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 184, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 184, 99);  
box-shadow:4px 4px 4px 4px rgb(169, 184,  
99) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 45.083, 113.876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 184, 99) }
```

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

```
.background{ background-color: rgb(169,  
184, 99) }
```

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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