

Converting Colors

CIELCh(72, 46.251, 119.382)

Have a look what the booklet for
CIELCh(72, 46.251, 119.382)
contains.

CIELCh(72, 45.950, 119.460)	3
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Color

CIELCh(72, 45.950, 119.460)

Conversions

Conversions Part 1

Format	Color
Hex	A0BA65
RGB	160, 186, 101
RGB Percent	63%, 73%, 40%
CMY	0.3716, 0.2696, 0.6031
CMYK	0.14, 0.00, 0.46, 0.27
HSL	78°, 38%, 56%
HSV	78°, 46%, 73%
XYZ	34.5127, 43.6590, 18.9763
YIQ	168.5360, 11.7890, -31.9470

Conversions

Conversions Part 2

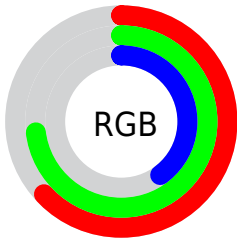
Format	Color
RYB	101, 186, 127
Decimal	10533477
CIELab	72.00, -22.60, 40.01
CIELCh	72, 45.950, 119.460
Yxy	43.6590, 0.3553, 0.4494
Android (android.graphics.Color)	4288723557 (0xFFA0BA65)
YUV	168.5360, -33.2952, -7.4861
Hunter-Lab	66.0750, -22.3959, 29.2248

Details

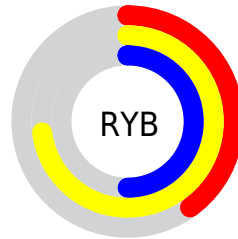
The CIELCh color $72, 45.950, 119.460$ is a light color, and the websafe version is hex $99CC66$. A complement of this color would be $49, 50.630, 305.341$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $92, 46.079, 119.335$, and $52, 46.095, 119.345$ is the 20% darker color. If you saturate the color by 10%, you get $71, 55.141, 119.019$, and if you desaturate by 10%, it is $73, 36.247, 119.992$.

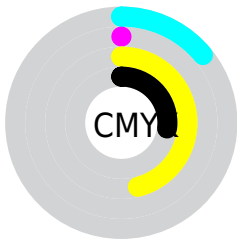
Distribution



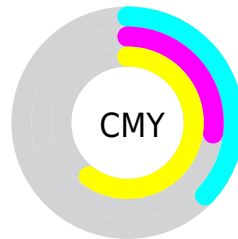
- Red (63%)
- Green (73%)
- Blue (40%)



- Red (40%)
- Yellow (73%)
- Blue (50%)



- Cyan (14%)
- Magenta (0%)
- Yellow (46%)
- Black (27%)





- Cyan (37%)
- Magenta (27%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 45.950, 119.460 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, 45.950, 119.460 by changing the saturation by 10% instead.


 72, 45.950,
119.460


 72, 45.950,
119.460


 100, 45.950,
119.460


 62, 45.950,
119.460


 92, 45.950,
119.460

 52, 45.950,
119.460

 42, 45.950,
119.460

 32, 45.950,
119.460

 22, 45.950,
119.460

 12, 45.950,
119.460

 2, 45.950, 119.460

■ 0, 45.950, 119.460

■ 72, 45.950,
119.460

■ 72, 45.950,
119.460

■ 71, 55.141,
119.019

■ 73, 36.247,
119.992

■ 71, 63.518,
118.731

■ 73, 26.235,
120.562

■ 70, 70.677,
118.691

■ 74, 16.053,
121.142

■ 70, 76.166,
119.009

■ 75, 5.795, 121.717

■ 70, 79.675,
119.773

■ 76, 4.474, 302.246

■ 69, 80.864,
120.169

■ 77, 14.709,
302.772

■ 78, 24.877,

303.259

■ 79, 34.954,
303.712

■ 80, 37.790,
305.917

Harmonies

Complementary

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



72, 45.950, 119.460



49, 50.630, 305.341

Rectangle

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



72, 45.950, 119.460



72, 45.950, 169.460



72, 45.950, 299.460



72, 45.950, 349.460

Sweetspot

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



72, 45.951, 119.462



94, 17.783, 121.224



59, 30.639, 49.186



50, 12.373, 121.099



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



72, 45.951, 119.462



90, 67.442, 119.009



69, 52.510, 136.219



40, 5.878, 121.504



60, 71.556, 119.988



10, 18.004, 125.368

Inverse Universe

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



49, 50.630, 305.341



56, 76.404, 306.269



53, 53.489, 320.759



37, 5.987, 302.562



20, 90.625, 308.513



1, 17.674, 299.094

Previews

White Background



This preview shows how the CIELCh color 72, 45.950, 119.460 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, 45.950, 119.460 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, 45.950, 119.460

Background



This preview shows how black text looks on a background with the CIELCh color 72, 45.950, 119.460.

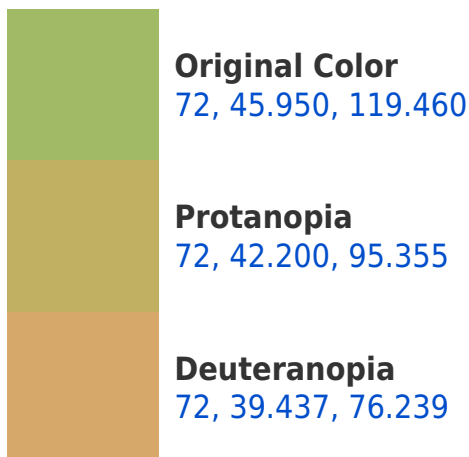


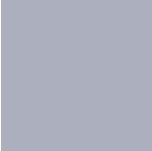
This preview shows how white text looks on a background with the CIELCh color 72, 45.950, 119.460.

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, 7.735, 280.198

Trichromacy



Original Color
72, 45.950, 119.460

Protanomaly
72, 42.765, 104.781

Deuteranomaly
72, 38.846, 94.184

Tritanomaly
72, 12.817, 130.126

Monochromacy



Original Color
72, 45.950, 119.460

Achromatopsia
69, 0.009, 296.813

Achromatomaly
70, 17.223, 120.417

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 45.950, 119.460 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(160, 186, 101)` looks like.

```
.text, #text, p{  
    color:rgb(160, 186, 101)  
}
```

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(160, 186, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 186, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 45.950, 119.460 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(160, 186, 101) }
```

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

```
.border{ border-color:rgb(160, 186, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 186, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 186, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 186, 101);  
box-shadow:4px 4px 4px 4px rgb(160, 186,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 45.950, 119.460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 186, 101) }
```

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

```
.background{ background-color: rgb(160,  
186, 101) }
```

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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