

Converting Colors

CIELCh(63, 83.628, 130.471)

Have a look what the booklet for
CIELCh(63, 83.628, 130.471)
contains.

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Color

CIELCh(63, 83.682, 130.482)

Conversions

Conversions Part 1

Format	Color
Hex	49AE01
RGB	73, 174, 1
RGB Percent	29%, 68%, 0%
CMY	0.7148, 0.3186, 0.9943
CMYK	0.58, 0.00, 0.99, 0.32
HSL	95°, 98%, 34%
HSV	95°, 99%, 68%
XYZ	17.8235, 31.5869, 5.1990
YIQ	124.0790, -4.6630, -75.2150

Conversions

Conversions Part 2

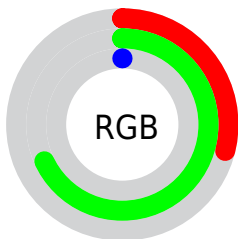
Format	Color
R _Y B	1, 174, 102
Decimal	4828673
CIE Lab	63.00, -54.33, 63.65
CIE LCh	63, 83.682, 130.482
Yxy	31.5869, 0.3264, 0.5784
Android (android.graphics.Color)	4283018753 (0xFF49AE01)
YUV	124.0790, -60.6779, -44.7963
Hunter-Lab	56.2022, -41.7460, 33.8570

Details

The CIELCh color **63, 83.682, 130.482** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **29, 91.510, 314.132**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 83.437, 130.484**, and **43, 68.595, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **63, 83.969, 130.546**, and if you desaturate by 10%, it is **63, 80.013, 129.661**.

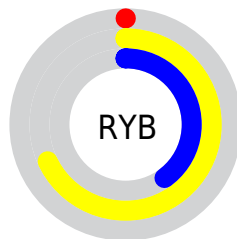
Distribution



Red (29%)

Green (68%)

Blue (0%)



Red (0%)

Yellow (68%)

Blue (40%)

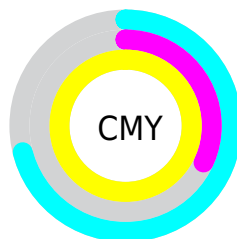


Cyan (58%)

Magenta (0%)

Yellow (99%)

Black (32%)



Cyan (71%)


Magenta (32%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 83.682, 130.482 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 63, 83.682, 130.482 by changing the saturation by 10% instead.


 63, 83.682,
130.482


 63, 83.682,
130.482


 100, 83.682,
130.482


 53, 83.682,
130.482


 83, 83.682,
130.482

 43, 83.682,
130.482

 93, 83.682,
130.482

 33, 83.682,
130.482

 23, 83.682,
130.482

 13, 83.682,
130.482

 3, 83.682, 130.482

 0, 83.682, 130.482

■ 63, 83.682,
130.482

■ 63, 83.682,
130.482

■ 63, 83.969,
130.546

■ 63, 80.013,
129.661

■ 64, 74.638,
129.212

■ 64, 67.558,
129.162

■ 65, 59.192,
129.387

■ 66, 49.951,
129.773

■ 67, 40.153,
130.237

■ 68, 30.032,
130.725

■ 69, 19.750,

131.204

■ 70, 9.421, 131.662

Harmonies

Complementary

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



63, 83.682, 130.482



29, 91.510, 314.132

Rectangle

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



63, 83.682, 130.482



63, 83.682, 180.482



63, 83.682, 310.482



63, 83.682, 0.482

Sweetspot

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



63, 83.682, 130.483



86, 38.378, 130.657



50, 61.940, 68.224



45, 26.354, 130.455



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



63, 83.682, 130.483



80, 102.819, 130.819



62, 87.989, 136.814



36, 5.814, 131.656



55, 75.373, 130.366



6, 12.530, 134.541

Inverse Universe

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



29, 91.510, 314.132



39, 112.296, 313.894



40, 81.090, 331.803



34, 5.878, 312.402



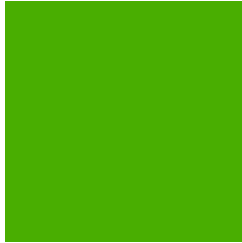
25, 82.521, 314.217



1, 12.024, 308.740

Previews

White Background



This preview shows how the CIELCh color 63, 83.682, 130.482 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 63, 83.682, 130.482 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

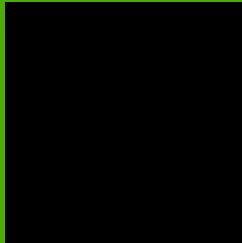
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 83.682, 130.482

Background



This preview shows how black text looks on a background with the CIELCh color 63, 83.682, 130.482.

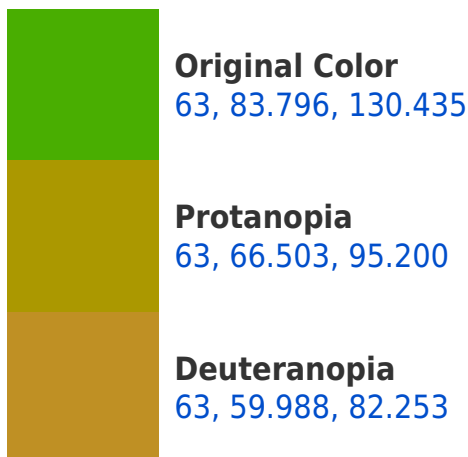


This preview shows how white text looks on a background with the CIELCh color 63, 83.682, 130.482.

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
63, 21.024, 218.247

Trichromacy



Original Color
63, 83.796, 130.435

Protanomaly
62, 69.368, 112.186

Deuteranomaly
61, 63.088, 106.156

Tritanomaly
62, 41.416, 149.795

Monochromacy



Original Color
63, 83.796, 130.435

Achromatopsia
52, 0.007, 296.813

Achromatomaly
55, 38.459, 130.053

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 83.682, 130.482 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(73, 174, 1)` looks like.

```
.text, #text, p{  
    color:rgb(73, 174, 1)  
}
```

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(73, 174, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 174, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 83.682, 130.482 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(73, 174, 1) }
```

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

```
.border{ border-color:rgb(73, 174, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 174, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 174, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 174, 1);  
box-shadow:4px 4px 4px 4px rgb(73, 174, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 63, 83.682, 130.482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 174, 1) }
```

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

```
.background{ background-color: rgb(73, 174,  
1) }
```

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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