

Converting Colors

CIELCh(63, 85.885, 131.729)

Have a look what the booklet for
CIELCh(63, 85.885, 131.729)
contains.

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Color

CIELCh(63, 85.681, 131.870)

Conversions

Conversions Part 1

Format	Color
Hex	3FAF00
RGB	63, 175, 0
RGB Percent	25%, 69%, 0%
CMY	0.7544, 0.3149, 1.0000
CMYK	0.64, 0.00, 1.00, 0.31
HSL	98°, 100%, 34%
HSV	98°, 100%, 69%
XYZ	17.2944, 31.5869, 5.1660
YIQ	121.5620, -10.5770, -78.1690

Conversions

Conversions Part 2

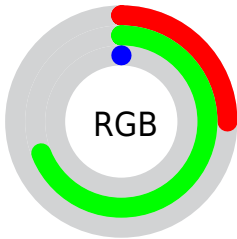
Format	Color
RYB	0, 175, 112
Decimal	4173568
CIELab	63.00, -57.19, 63.80
CIELCh	63, 85.681, 131.870
Yxy	31.5869, 0.3200, 0.5844
Android (android.graphics.Color)	4282363648 (0xFF3FAF00)
YUV	121.5620, -59.9301, -51.3589
Hunter-Lab	56.2022, -43.4263, 33.8918

Details

The CIELCh color **63, 85.681, 131.870** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **31, 91.178, 315.627**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 86.016, 131.913**, and **44, 69.004, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **63, 85.606, 131.903**, and if you desaturate by 10%, it is **63, 81.993, 131.185**.

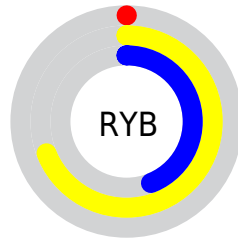
Distribution



Red (25%)

Green (69%)

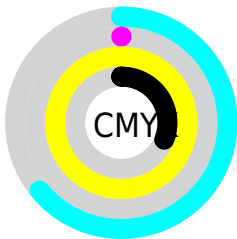
Blue (0%)



Red (0%)

Yellow (69%)

Blue (44%)

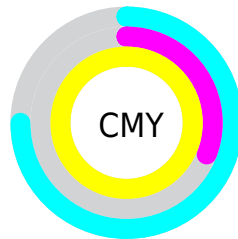


Cyan (64%)

Magenta (0%)

Yellow (100%)

Black (31%)



Cyan (75%)


Magenta (31%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 85.681, 131.870 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, 85.681, 131.870 by changing the saturation by 10% instead.

 63, 85.681,
131.870


 63, 85.681,
131.870


 100, 85.681,
131.870


 53, 85.681,
131.870


 83, 85.681,
131.870

 43, 85.681,
131.870

 93, 85.681,
131.870

 33, 85.681,
131.870

 23, 85.681,
131.870

 13, 85.681,
131.870

 3, 85.681, 131.870

 0, 85.681, 131.870

■ 63, 85.681,
131.870

■ 63, 85.681,
131.870

■ 63, 85.606,
131.903

■ 63, 81.993,
131.185

■ 64, 76.696,
130.790

■ 64, 69.617,
130.789

■ 65, 61.179,
131.058

■ 66, 51.806,
131.483

■ 67, 41.836,
131.979

■ 68, 31.517,
132.490

■ 69, 21.025,

132.985

■ 70, 10.487,
133.451

Harmonies

Complementary

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



63, 85.681, 131.870



31, 91.178, 315.627

Rectangle

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



63, 85.681, 131.870



63, 85.681, 181.870



63, 85.681, 311.870



63, 85.681, 1.870

Sweetspot

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



63, 85.606, 131.903



86, 38.984, 132.463



52, 62.144, 72.642



45, 26.774, 132.252



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, 85.606, 131.903



80, 104.391, 132.149



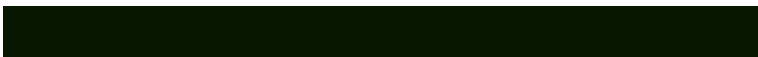
62, 87.205, 137.412



36, 5.899, 133.482



55, 76.532, 131.729



6, 12.683, 135.975

Inverse Universe

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



31, 91.178, 315.627



41, 111.005, 315.446



40, 78.435, 334.336



34, 5.955, 314.219



26, 81.608, 315.751



1, 12.176, 310.678

Previews

White Background



This preview shows how the CIELCh color 63, 85.681, 131.870 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, 85.681, 131.870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

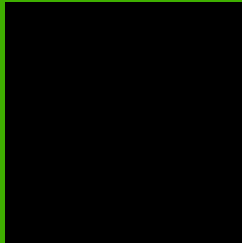
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 85.681, 131.870

Background



This preview shows how black text looks on a background with the CIELCh color 63, 85.681, 131.870.

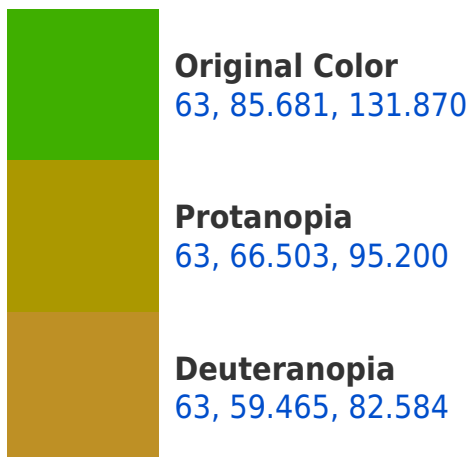



This preview shows how white text looks on a background with the CIELCh color 63, 85.681, 131.870.

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, 22.484, 216.763

Trichromacy



Original Color
63, 85.681, 131.870



Protanomaly
62, 69.767, 113.209



Deuteranomaly
61, 62.986, 107.837



Tritanomaly
62, 43.904, 150.914

Monochromacy



Original Color
63, 85.681, 131.870



Achromatopsia
51, 0.007, 296.813



Achromatomaly
54, 39.698, 131.718

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 85.681, 131.870 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(63, 175, 0)` looks like.

```
.text, #text, p{  
    color:rgb(63, 175, 0)  
}
```

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(63, 175, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 175, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 85.681, 131.870 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(63, 175, 0) }
```

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

```
.border{ border-color:rgb(63, 175, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 175, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 175, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 175, 0);  
box-shadow:4px 4px 4px 4px rgb(63, 175, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 63, 85.681, 131.870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 175, 0) }
```

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

```
.background{ background-color: rgb(63, 175,  
0) }
```

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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