

Converting Colors

CIELCh(63, 81.023, 141.102)

Have a look what the booklet for
CIELCh(63, 81.023, 141.102)
contains.

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Color

CIELCh(63, 80.866, 141.023)

Conversions

Conversions Part 1

Format	Color
Hex	00B134
RGB	0, 177, 52
RGB Percent	0%, 69%, 20%
CMY	1.0000, 0.3068, 0.7970
CMYK	1.00, 0.00, 0.71, 0.31
HSL	138°, 100%, 35%
HSV	138°, 100%, 69%
XYZ	16.2754, 31.5869, 8.4596
YIQ	109.8270, -65.3670, -76.3990

Conversions

Conversions Part 2

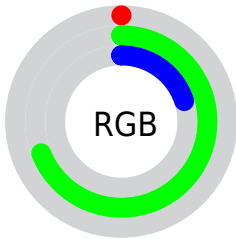
Format	Color
RYB	0, 137, 177
Decimal	45364
CIELab	63.00, -62.87, 50.87
CIELCh	63, 80.866, 141.023
Yxy	31.5869, 0.2890, 0.5608
Android (android.graphics.Color)	4278235444 (0xFF00B134)
YUV	109.8270, -28.5087, -96.3183
Hunter-Lab	56.2022, -46.6628, 30.4172

Details

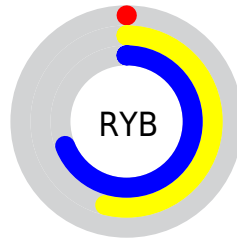
The CIELCh color **63, 80.866, 141.023** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **39, 70.485, 344.293**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **83, 80.981, 141.038**, and **44, 69.821, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **63, 80.832, 140.997**, and if you desaturate by 10%, it is **63, 75.993, 142.843**.

Distribution



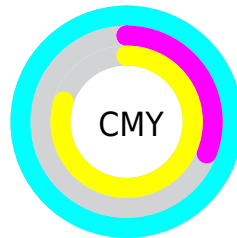
- Red (0%)
- Green (69%)
- Blue (20%)



- Red (0%)
- Yellow (54%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (71%)
- Black (31%)





- Cyan (100%)
- Magenta (31%)
- Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 80.866, 141.023 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, 80.866, 141.023 by changing the saturation by 10% instead.


 63, 80.866,
141.023


 63, 80.866,
141.023


 100, 80.866,
141.023


 53, 80.866,
141.023


 83, 80.866,
141.023

 43, 80.866,
141.023

 93, 80.866,
141.023

 33, 80.866,
141.023

 23, 80.866,
141.023

 13, 80.866,
141.023

 3, 80.866, 141.023

 0, 80.866, 141.023

■ 63, 80.866,
141.023

■ 63, 80.866,
141.023

■ 63, 80.832,
140.997

■ 63, 75.993,
142.843

■ 64, 70.180,
144.705

■ 64, 63.361,
146.434

■ 65, 55.650,
147.991

■ 65, 47.204,
149.368

■ 66, 38.201,
150.571

■ 68, 28.823,
151.619

■ 69, 19.238,

152.532

■ 70, 9.589, 153.339

Harmonies

Complementary

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



63, 80.866, 141.023



39, 70.485, 344.293

Rectangle

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



63, 80.866, 141.023



63, 80.866, 191.023



63, 80.866, 321.023



63, 80.866, 11.023

Sweetspot

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



63, 80.832, 140.997



86, 35.634, 151.568



66, 77.236, 119.018



45, 24.239, 151.153



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, 80.832, 140.997



80, 99.076, 140.641



64, 48.201, 169.258



37, 5.472, 153.391



55, 72.270, 141.239



7, 13.875, 151.463

Inverse Universe

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



39, 70.485, 344.293



51, 85.407, 344.659



37, 69.726, 27.979



35, 5.499, 334.589



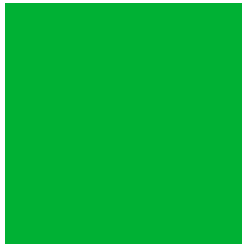
34, 63.507, 344.054



2, 12.277, 338.398

Previews

White Background



This preview shows how the CIELCh color 63, 80.866, 141.023 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, 80.866, 141.023 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, 80.866, 141.023

Background



This preview shows how black text looks on a background with the CIELCh color 63, 80.866, 141.023.

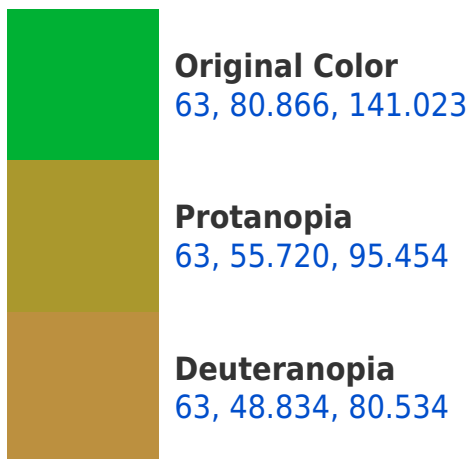



This preview shows how white text looks on a background with the CIELCh color 63, 80.866, 141.023.

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, 27.844, 212.562

Trichromacy



Original Color
63, 80.866, 141.023



Protanomaly
61, 62.518, 125.052



Deuteranomaly
60, 53.454, 121.538



Tritanomaly
62, 43.302, 167.189

Monochromacy



Original Color
63, 80.866, 141.023



Achromatopsia
46, 0.006, 296.813



Achromatomaly
51, 36.012, 149.939

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 80.866, 141.023 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(0, 177, 52)` looks like.

```
.text, #text, p{  
    color:rgb(0, 177, 52)  
}
```

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(0, 177, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 177, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 80.866, 141.023 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(0, 177, 52) }
```

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

```
.border{ border-color:rgb(0, 177, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 177, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 177, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 177, 52);  
box-shadow:4px 4px 4px 4px rgb(0, 177, 52)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 63, 80.866, 141.023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 177, 52) }
```

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

```
.background{ background-color: rgb(0, 177,  
52) }
```

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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