

Converting Colors

CIELCh(61, 79.131, 140.093)

Have a look what the booklet for
CIELCh(61, 79.131, 140.093)
contains.

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Color

CIELCh(61, 79.252, 140.129)

Conversions

Conversions Part 1

Format	Color
Hex	0CAB2F
RGB	12, 171, 47
RGB Percent	5%, 67%, 18%
CMY	0.9510, 0.3311, 0.8173
CMYK	0.93, 0.00, 0.73, 0.33
HSL	133°, 86%, 36%
HSV	133°, 93%, 67%
XYZ	15.1454, 29.2481, 7.4915
YIQ	109.3230, -54.9600, -72.2720

Conversions

Conversions Part 2

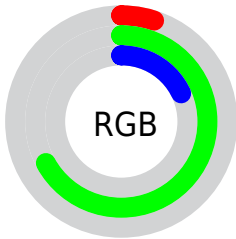
Format	Color
RYB	12, 142, 171
Decimal	830255
CIELab	61.00, -60.83, 50.81
CIElCh	61, 79.252, 140.129
Yxy	29.2481, 0.2919, 0.5637
Android (android.graphics.Color)	4279020335 (0xFF0CAB2F)
YUV	109.3230, -30.7252, -85.3523
Hunter-Lab	54.0815, -44.6543, 29.6441

Details

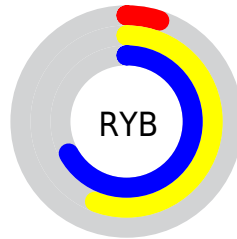
The CIELCh color **61, 79.252, 140.129** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **39, 71.715, 338.209**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **81, 79.664, 140.171**, and **42, 67.364, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **61, 82.471, 139.010**, and if you desaturate by 10%, it is **61, 73.844, 141.810**.

Distribution



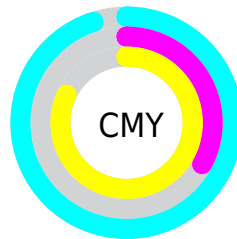
- Red (5%)
- Green (67%)
- Blue (18%)



- Red (5%)
- Yellow (56%)
- Blue (67%)



- Cyan (93%)
- Magenta (0%)
- Yellow (73%)
- Black (33%)





- Cyan (95%)
- Magenta (33%)
- Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 79.252, 140.129 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 61, 79.252, 140.129 by changing the saturation by 10% instead.


 61, 79.252,
140.129


 61, 79.252,
140.129


 100, 79.252,
140.129


 51, 79.252,
140.129


 81, 79.252,
140.129

 41, 79.252,
140.129

 91, 79.252,
140.129

 31, 79.252,
140.129

 21, 79.252,
140.129

 11, 79.252,
140.129

 1, 79.252, 140.129

 0, 79.252, 140.129

■ 61, 79.252,
140.129

■ 61, 79.252,
140.129

■ 61, 82.471,
139.010

■ 61, 73.844,
141.810

■ 62, 67.227,
143.443

■ 62, 59.564,
144.958

■ 63, 51.048,
146.321

■ 64, 41.889,
147.521

■ 65, 32.293,
148.566

■ 66, 22.448,
149.472

■ 68, 12.514,

150.262

■ 69, 2.620, 151.021

Harmonies

Complementary

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



61, 79.252, 140.129



39, 71.715, 338.209

Rectangle

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



61, 79.252, 140.129



61, 79.252, 190.129



61, 79.252, 320.129



61, 79.252, 10.129

Sweetspot

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



61, 79.252, 140.130



83, 34.312, 148.960



65, 71.774, 114.204



44, 23.848, 148.563



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



61, 79.252, 140.130



78, 101.082, 138.698



62, 50.238, 163.495



35, 5.515, 150.510



53, 73.894, 139.221



5, 10.254, 150.032

Inverse Universe

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



39, 71.715, 338.209



50, 87.896, 339.284



36, 62.186, 16.995



33, 5.534, 331.624



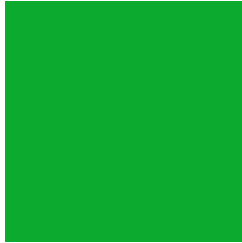
33, 65.355, 338.889



2, 9.582, 333.476

Previews

White Background



This preview shows how the CIELCh color 61, 79.252, 140.129 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 61, 79.252, 140.129 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 × Fail

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

CIELCh 61, 79.252, 140.129

Background



This preview shows how black text looks on a background with the CIELCh color 61, 79.252, 140.129.



This preview shows how white text looks on a background with the CIELCh color 61, 79.252, 140.129.

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



Original Color
61, 79.332, 140.194

Protanopia
60, 55.225, 95.177

Deuteranopia
61, 48.371, 80.594



Tritanopia
61, 26.753, 213.350

Trichromacy



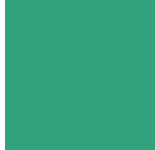
Original Color
61, 79.332, 140.194



Protanomaly
59, 61.040, 122.867



Deuteranomaly
58, 52.366, 119.072



Tritanomaly
60, 41.759, 165.883

Monochromacy



Original Color
61, 79.332, 140.194



Achromatopsia
46, 0.006, 296.813



Achromatomaly
50, 34.557, 147.366

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 79.252, 140.129 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(12, 171, 47)` looks like.

```
.text, #text, p{  
    color:rgb(12, 171, 47)  
}
```

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(12, 171, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 171, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 79.252, 140.129 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(12, 171, 47) }
```

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

```
.border{ border-color:rgb(12, 171, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 171, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 171, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 171, 47);  
box-shadow:4px 4px 4px 4px rgb(12, 171,  
47) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 79.252, 140.129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 171, 47) }
```

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

```
.background{ background-color: rgb(12, 171,  
47) }
```

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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