

Converting Colors

CIELCh(62, 88.120, 142.814)

Have a look what the booklet for
CIELCh(62, 88.120, 142.814)
contains.

CIELCh(63, 83.401, 139.518)	3
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Color

CIELCh(63, 83.401, 139.518)

Conversions

Conversions Part 1

Format	Color
Hex	04B12B
RGB	4, 177, 43
RGB Percent	2%, 69%, 17%
CMY	0.9855, 0.3064, 0.8317
CMYK	0.98, 0.00, 0.76, 0.31
HSL	134°, 96%, 35%
HSV	134°, 98%, 69%
XYZ	16.1753, 31.5869, 7.5214
YIQ	109.9970, -60.0940, -78.3500

Conversions

Conversions Part 2

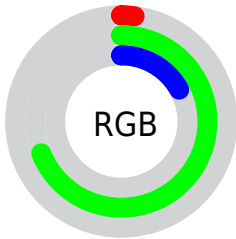
Format	Color
RYB	4, 145, 177
Decimal	307499
CIELab	63.00, -63.44, 54.14
CIElCh	63, 83.401, 139.518
Yxy	31.5869, 0.2926, 0.5714
Android (android.graphics.Color)	4278497579 (0xFF04B12B)
YUV	109.9970, -33.0295, -92.9594
Hunter-Lab	56.2022, -46.9808, 31.4069

Details

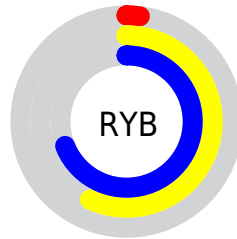
The CIELCh color **63, 83.401, 139.518** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **40, 73.610, 339.514**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **83, 83.276, 139.524**, and **44, 69.821, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **63, 84.301, 139.216**, and if you desaturate by 10%, it is **63, 78.494, 141.195**.

Distribution



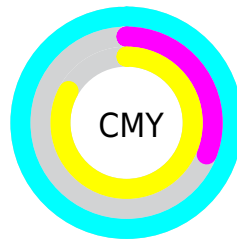
- Red (2%)
- Green (69%)
- Blue (17%)



- Red (2%)
- Yellow (57%)
- Blue (69%)



- Cyan (98%)
- Magenta (0%)
- Yellow (76%)
- Black (31%)





- Cyan (99%)
- Magenta (31%)
- Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 83.401, 139.518 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, 83.401, 139.518 by changing the saturation by 10% instead.


 63, 83.401,
139.518


 63, 83.401,
139.518


 100, 83.401,
139.518


 53, 83.401,
139.518


 83, 83.401,
139.518

 43, 83.401,
139.518

 93, 83.401,
139.518

 33, 83.401,
139.518

 23, 83.401,
139.518

 13, 83.401,
139.518

 3, 83.401, 139.518

 0, 83.401, 139.518

■ 63, 83.401,
139.518

■ 63, 83.401,
139.518

■ 63, 84.301,
139.216

■ 63, 78.494,
141.195

■ 64, 72.345,
142.897

■ 64, 65.051,
144.505

■ 65, 56.786,
145.967

■ 66, 47.754,
147.265

■ 67, 38.165,
148.400

■ 68, 28.222,
149.386

■ 69, 18.104,

150.241

■ 71, 7.961, 150.997

Harmonies

Complementary

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



63, 83.401, 139.518



40, 73.610, 339.514

Rectangle

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



63, 83.401, 139.518



63, 83.401, 189.518



63, 83.401, 319.518



63, 83.401, 9.518

Sweetspot

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



63, 83.401, 139.519



86, 36.225, 149.239



67, 75.359, 115.439



45, 24.793, 148.837



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, 83.401, 139.519



80, 103.180, 138.909



64, 51.976, 163.695



37, 5.745, 150.894



55, 75.381, 139.428



7, 14.394, 149.671

Inverse Universe

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



40, 73.610, 339.514



52, 89.422, 340.019



37, 66.290, 21.348



35, 5.765, 332.028



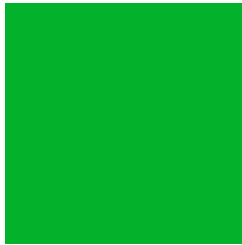
34, 66.443, 339.606



2, 13.006, 334.920

Previews

White Background



This preview shows how the CIELCh color 63, 83.401, 139.518 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, 83.401, 139.518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

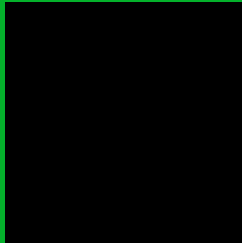
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 83.401, 139.518

Background



This preview shows how black text looks on a background with the CIELCh color 63, 83.401, 139.518.

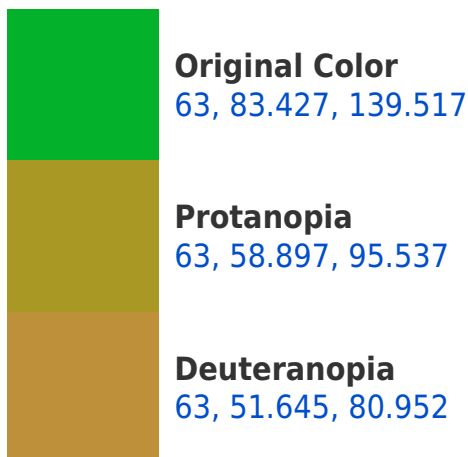



This preview shows how white text looks on a background with the CIELCh color 63, 83.401, 139.518.

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, 27.658, 212.682

Trichromacy



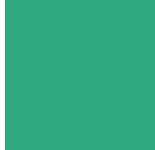
Original Color
63, 83.427, 139.517



Protanomaly
61, 64.908, 123.330



Deuteranomaly
60, 56.070, 119.626



Tritanomaly
62, 44.112, 165.247

Monochromacy



Original Color
63, 83.427, 139.517



Achromatopsia
46, 0.006, 296.813



Achromatomaly
51, 37.121, 147.901

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 83.401, 139.518 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(4, 177, 43)` looks like.

```
.text, #text, p{  
    color:rgb(4, 177, 43)  
}
```

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(4, 177, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 177, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 83.401, 139.518 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(4, 177, 43) }
```

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

```
.border{ border-color:rgb(4, 177, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 177, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 177, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 177, 43);  
box-shadow:4px 4px 4px 4px rgb(4, 177, 43)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 63, 83.401, 139.518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 177, 43) }
```

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

```
.background{ background-color: rgb(4, 177,  
43) }
```

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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