

Converting Colors

CIELCh(62, 83.764, 138.866)

Have a look what the booklet for
CIELCh(62, 83.764, 138.866)
contains.

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Color

CIELCh(62, 83.814, 138.864)

Conversions

Conversions Part 1

Format	Color
Hex	02AE25
RGB	2, 174, 37
RGB Percent	1%, 68%, 15%
CMY	0.9928, 0.3178, 0.8550
CMYK	0.99, 0.00, 0.79, 0.32
HSL	132°, 98%, 34%
HSV	132°, 99%, 68%
XYZ	15.4849, 30.4025, 6.7990
YIQ	106.9540, -58.5350, -79.0710

Conversions

Conversions Part 2

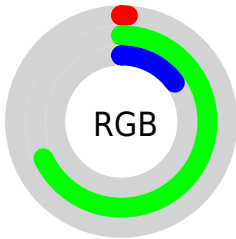
Format	Color
RYB	2, 145, 174
Decimal	175653
CIELab	62.00, -63.12, 55.14
CIELCh	62, 83.814, 138.864
Yxy	30.4025, 0.2939, 0.5770
Android (android.graphics.Color)	4278365733 (0xFF02AE25)
YUV	106.9540, -34.4873, -92.0447
Hunter-Lab	55.1385, -46.3630, 31.2861

Details

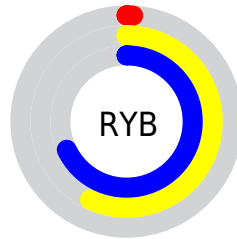
The CIELCh color **62, 83.814, 138.864** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **39, 74.010, 338.239**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **82, 83.744, 138.851**, and **43, 68.595, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **62, 84.245, 138.726**, and if you desaturate by 10%, it is **62, 79.161, 140.423**.

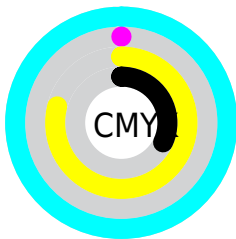
Distribution



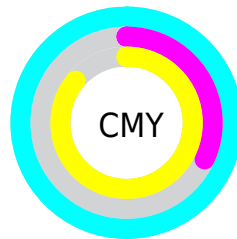
- Red (1%)
- Green (68%)
- Blue (15%)



- Red (1%)
- Yellow (57%)
- Blue (68%)



- Cyan (99%)
- Magenta (0%)
- Yellow (79%)
- Black (32%)




- Cyan (99%)
- Magenta (32%)
- Yellow (86%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 83.814, 138.864 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 62, 83.814, 138.864 by changing the saturation by 10% instead.

 62, 83.814,
138.864


 62, 83.814,
138.864


 100, 83.814,
138.864

 52, 83.814,
138.864


 82, 83.814,
138.864


 42, 83.814,
138.864

 92, 83.814,
138.864

 32, 83.814,
138.864

 22, 83.814,
138.864

 12, 83.814,
138.864

 2, 83.814, 138.864

 0, 83.814, 138.864

■ 62, 83.814,
138.864

■ 62, 83.814,
138.864

■ 62, 84.245,
138.726

■ 62, 79.161,
140.423

■ 63, 73.211,
142.068

■ 63, 66.049,
143.648

■ 64, 57.867,
145.099

■ 64, 48.878,
146.396

■ 66, 39.302,
147.534

■ 67, 29.351,
148.522

■ 68, 19.208,

149.378

■ 70, 9.029, 150.129

Harmonies

Complementary

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



62, 83.814, 138.864



39, 74.010, 338.239

Rectangle

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



62, 83.814, 138.864



62, 83.814, 188.864



62, 83.814, 318.864



62, 83.814, 8.864

Sweetspot

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



62, 83.814, 138.865



85, 37.748, 148.374



66, 74.388, 114.595



45, 25.918, 147.974



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



62, 83.814, 138.865



79, 103.487, 138.428



63, 52.663, 162.171



36, 5.701, 150.103



54, 75.339, 138.930



6, 12.340, 149.387

Inverse Universe

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



39, 74.010, 338.239



51, 90.163, 338.573



37, 65.337, 20.309



34, 5.719, 331.213



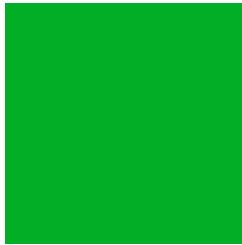
34, 66.718, 338.208



2, 11.393, 333.390

Previews

White Background



This preview shows how the CIELCh color 62, 83.814, 138.864 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 62, 83.814, 138.864 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 62, 83.814, 138.864

Background



This preview shows how black text looks on a background with the CIELCh color 62, 83.814, 138.864.



This preview shows how white text looks on a background with the CIELCh color 62, 83.814, 138.864.

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
62, 27.206, 213.009

Trichromacy



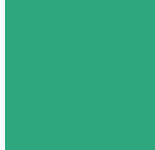
Original Color
62, 83.814, 138.864



Protanomaly
60, 65.688, 123.012



Deuteranomaly
59, 56.847, 119.332



Tritanomaly
61, 44.275, 164.378

Monochromacy



Original Color
62, 83.814, 138.864



Achromatopsia
45, 0.006, 296.813



Achromatomaly
50, 37.462, 146.910

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 83.814, 138.864 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(2, 174, 37)` looks like.

```
.text, #text, p{  
    color:rgb(2, 174, 37)  
}
```

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(2, 174, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 174, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 83.814, 138.864 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(2, 174, 37) }
```

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

```
.border{ border-color:rgb(2, 174, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 174, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 174, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 174, 37);  
box-shadow:4px 4px 4px 4px rgb(2, 174, 37)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 62, 83.814, 138.864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 174, 37) }
```

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

```
.background{ background-color: rgb(2, 174,  
37) }
```

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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