

Converting Colors

CIELCh(59, 111.573, 149.266)

Have a look what the booklet for
CIELCh(59, 111.573, 149.266)
contains.

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Color

CIELCh(62, 88.504, 136.675)

Conversions

Conversions Part 1

Format	Color
Hex	01AE0E
RGB	1, 174, 14
RGB Percent	0%, 68%, 5%
CMY	0.9959, 0.3167, 0.9470
CMYK	0.99, 0.00, 0.92, 0.32
HSL	124°, 99%, 34%
HSV	124°, 99%, 68%
XYZ	15.2716, 30.4025, 5.4611
YIQ	104.0330, -51.7480, -86.4360

Conversions

Conversions Part 2

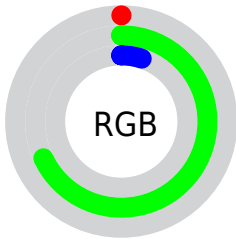
Format	Color
RYB	1, 162, 174
Decimal	110094
CIELab	62.00, -64.38, 60.73
CIELCh	62, 88.504, 136.675
Yxy	30.4025, 0.2987, 0.5946
Android (android.graphics.Color)	4278300174 (0xFF01AE0E)
YUV	104.0330, -44.3863, -90.3599
Hunter-Lab	55.1385, -47.0535, 32.7247

Details

The CIELCh color **62, 88.504, 136.675** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **41, 82.016, 331.287**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **82, 88.605, 136.673**, and **43, 68.595, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **62, 88.656, 136.647**, and if you desaturate by 10%, it is **62, 85.070, 137.507**.

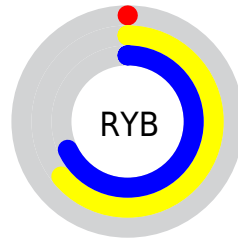
Distribution



Red (0%)

Green (68%)

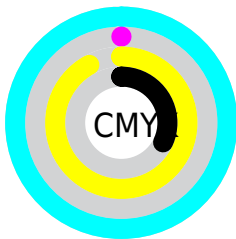
Blue (5%)



Red (0%)

Yellow (64%)

Blue (68%)

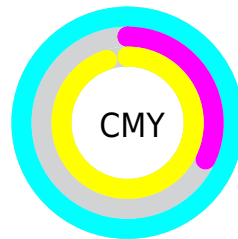


Cyan (99%)

Magenta (0%)

Yellow (92%)

Black (32%)



Cyan (100%)


Magenta (32%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 88.504, 136.675 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, 88.504, 136.675 by changing the saturation by 10% instead.

 62, 88.504,
136.675


 62, 88.504,
136.675


 100, 88.504,
136.675


 52, 88.504,
136.675


 82, 88.504,
136.675

 42, 88.504,
136.675

 92, 88.504,
136.675

 32, 88.504,
136.675

 22, 88.504,
136.675

 12, 88.504,
136.675

 2, 88.504, 136.675

 0, 88.504, 136.675

■ 62, 88.504,
136.675

■ 62, 88.504,
136.675

■ 62, 88.656,
136.647

■ 62, 85.070,
137.507

■ 62, 79.684,
138.651

■ 63, 72.513,
139.915

■ 64, 63.900,
141.182

■ 64, 54.203,
142.372

■ 65, 43.747,
143.443

■ 67, 32.818,
144.384

■ 68, 21.654,

145.198

■ 70, 10.445,
145.904

Harmonies

Complementary

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



62, 88.504, 136.675



41, 82.016, 331.287

Rectangle

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



62, 88.504, 136.675



62, 88.504, 186.675



62, 88.504, 316.675



62, 88.504, 6.675

Sweetspot

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



62, 88.503, 136.676



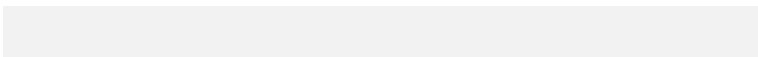
84, 41.497, 144.284



68, 72.951, 106.931



44, 28.491, 143.906



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, 88.503, 136.676



79, 108.400, 136.498



63, 61.942, 152.988



36, 6.263, 145.911



54, 79.359, 136.758



6, 13.309, 146.058

Inverse Universe

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



41, 82.016, 331.287



53, 99.936, 331.366



37, 63.358, 7.936



34, 6.274, 326.936



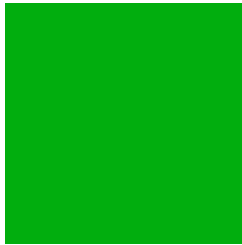
35, 73.746, 331.269



2, 12.899, 327.388

Previews

White Background



This preview shows how the CIELCh color 62, 88.504, 136.675 looks on a white background.

Color Contrast Check

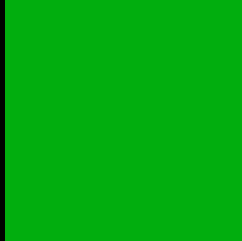
Large Text (above 18pt) WCAG AA × Fail

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, 88.504, 136.675 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

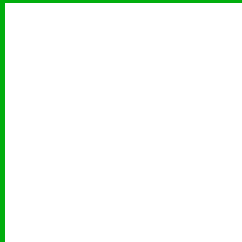
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 62, 88.504, 136.675

Background



This preview shows how black text looks on a background with the CIELCh color 62, 88.504, 136.675.

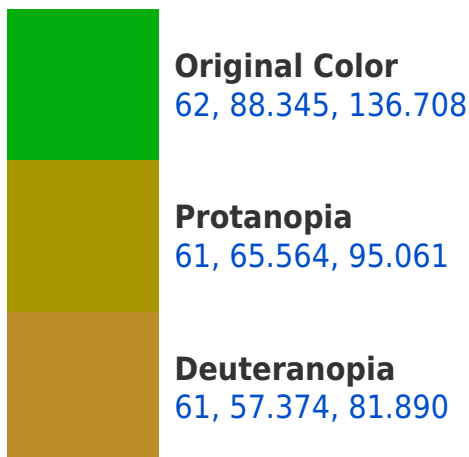



This preview shows how white text looks on a background with the CIELCh color 62, 88.504, 136.675.

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](#).

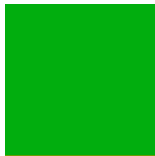
Dichromacy





Tritanopia
62, 27.015, 213.137

Trichromacy



Original Color
62, 88.345, 136.708



Protanomaly
60, 71.215, 121.013

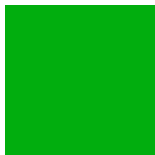


Deuteranomaly
59, 62.551, 117.427



Tritanomaly
61, 47.571, 159.485

Monochromacy



Original Color
62, 88.345, 136.708



Achromatopsia
44, 0.006, 296.813



Achromatomaly
49, 42.225, 142.379

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 88.504, 136.675 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(1, 174, 14)` looks like.

```
.text, #text, p{  
    color:rgb(1, 174, 14)  
}
```

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(1, 174, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 174, 14) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 88.504, 136.675 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(1, 174, 14) }
```

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

```
.border{ border-color:rgb(1, 174, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 174, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 174, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 174, 14);  
box-shadow:4px 4px 4px 4px rgb(1, 174, 14)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 62, 88.504, 136.675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 174, 14) }
```

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

```
.background{ background-color: rgb(1, 174,  
14) }
```

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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