

Converting Colors

CIELCh(63, 87.955, 137.718)

Have a look what the booklet for
CIELCh(63, 87.955, 137.718)
contains.

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Color

CIELCh(63, 87.627, 137.613)

Conversions

Conversions Part 1

Format	Color
Hex	01B11A
RGB	1, 177, 26
RGB Percent	0%, 69%, 10%
CMY	0.9973, 0.3052, 0.8972
CMYK	1.00, 0.00, 0.85, 0.31
HSL	129°, 99%, 35%
HSV	129°, 100%, 69%
XYZ	15.9510, 31.5869, 6.2462
YIQ	107.1620, -56.4250, -84.2730

Conversions

Conversions Part 2

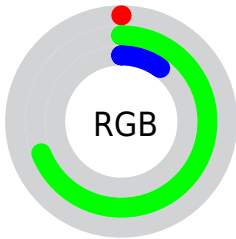
Format	Color
RYB	1, 155, 177
Decimal	110874
CIELab	63.00, -64.72, 59.07
CIELCh	63, 87.627, 137.613
Yxy	31.5869, 0.2966, 0.5873
Android (android.graphics.Color)	4278300954 (0xFF01B11A)
YUV	107.1620, -40.0129, -93.1041
Hunter-Lab	56.2022, -47.6930, 32.7522

Details

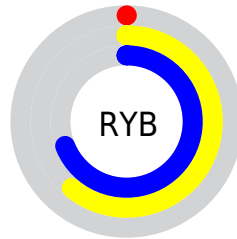
The CIELCh color **63, 87.627, 137.613** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **41, 78.506, 334.921**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **83, 87.540, 137.571**, and **44, 69.821, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **63, 87.764, 137.576**, and if you desaturate by 10%, it is **63, 83.423, 138.866**.

Distribution



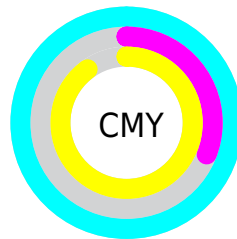
- Red (0%)
- Green (69%)
- Blue (10%)



- Red (0%)
- Yellow (61%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (85%)
- Black (31%)





- Cyan (100%)
- Magenta (31%)
- Yellow (90%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 87.627, 137.613 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, 87.627, 137.613 by changing the saturation by 10% instead.


 63, 87.627,
137.613


 63, 87.627,
137.613


 100, 87.627,
137.613


 53, 87.627,
137.613


 83, 87.627,
137.613

 43, 87.627,
137.613

 93, 87.627,
137.613

 33, 87.627,
137.613

 23, 87.627,
137.613

 13, 87.627,
137.613

 3, 87.627, 137.613

 0, 87.627, 137.613

■ 63, 87.627,
137.613

■ 63, 87.627,
137.613

■ 63, 87.764,
137.576

■ 63, 83.423,
138.866

■ 63, 77.622,
140.318

■ 64, 70.349,
141.783

■ 65, 61.865,
143.171

■ 65, 52.440,
144.434

■ 66, 42.342,
145.552

■ 68, 31.815,
146.526

■ 69, 21.069,

147.367

■ 71, 10.278,
148.100

Harmonies

Complementary

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



63, 87.627, 137.613



41, 78.506, 334.921

Rectangle

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



63, 87.627, 137.613



63, 87.627, 187.613



63, 87.627, 317.613



63, 87.627, 7.613

Sweetspot

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



63, 87.627, 137.614



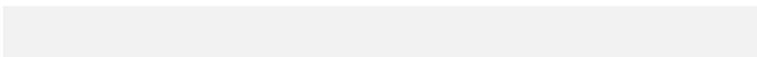
85, 39.778, 146.443



68, 74.552, 110.890



45, 27.066, 146.055



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, 87.627, 137.614



80, 107.090, 137.350



64, 58.150, 157.112



37, 6.095, 148.120



55, 78.465, 137.739



7, 15.053, 147.633

Inverse Universe

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



41, 78.506, 334.921



53, 95.150, 335.082



37, 64.882, 14.514



35, 6.110, 329.190



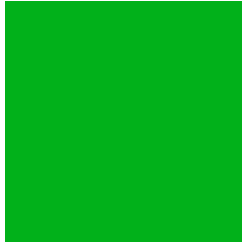
35, 70.595, 334.860



2, 14.044, 330.861

Previews

White Background



This preview shows how the CIELCh color 63, 87.627, 137.613 looks on a white background.

Color Contrast Check

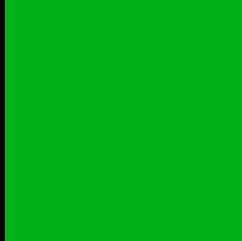
Large Text (above 18pt) WCAG AA × Fail

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, 87.627, 137.613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

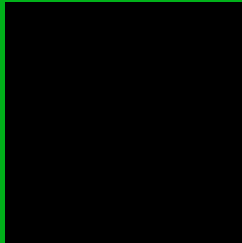
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 87.627, 137.613

Background



This preview shows how black text looks on a background with the CIELCh color 63, 87.627, 137.613.



This preview shows how white text looks on a background with the CIELCh color 63, 87.627, 137.613.

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


63, 87.595, 137.588

Protanopia

63, 63.534, 95.178

Deuteranopia

63, 56.271, 81.800



Tritanopia
63, 27.468, 212.804

Trichromacy



Original Color
63, 87.595, 137.588



Protanomaly
61, 69.572, 121.965



Deuteranomaly
60, 60.959, 118.380



Tritanomaly
62, 46.480, 162.033

Monochromacy



Original Color
63, 87.595, 137.588



Achromatopsia
45, 0.006, 296.813



Achromatomaly
50, 40.717, 144.938

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 87.627, 137.613 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, 177, 26)` looks like.

```
.text, #text, p{  
    color:rgb(1, 177, 26)  
}
```

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, 177, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 177, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 87.627, 137.613 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, 177, 26) }
```

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

```
.border{ border-color:rgb(1, 177, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 177, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 177, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 177, 26);  
box-shadow:4px 4px 4px 4px rgb(1, 177, 26)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 63, 87.627, 137.613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 177, 26) }
```

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

```
.background{ background-color: rgb(1, 177,  
26) }
```

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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