

Converting Colors

CIELCh(63, 90.903, 136.352)

Have a look what the booklet for
CIELCh(63, 90.903, 136.352)
contains.

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Color

CIELCh(63, 90.545, 136.257)

Conversions

Conversions Part 1

Format	Color
Hex	01B106
RGB	1, 177, 6
RGB Percent	0%, 69%, 2%
CMY	0.9946, 0.3047, 0.9775
CMYK	0.99, 0.00, 0.97, 0.30
HSL	121°, 98%, 35%
HSV	121°, 99%, 70%
XYZ	15.8312, 31.5869, 5.4267
YIQ	104.8820, -50.0050, -90.4930

Conversions

Conversions Part 2

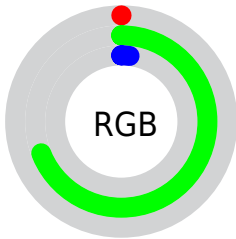
Format	Color
RYB	1, 172, 177
Decimal	110854
CIELab	63.00, -65.41, 62.61
CIELCh	63, 90.545, 136.257
Yxy	31.5869, 0.2996, 0.5977
Android (android.graphics.Color)	4278300934 (0xFF01B106)
YUV	104.8820, -48.7488, -91.1045
Hunter-Lab	56.2022, -48.0734, 33.6167

Details

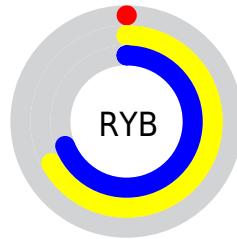
The CIELCh color **63, 90.545, 136.257** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **42, 86.160, 329.227**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **83, 90.550, 136.282**, and **44, 69.821, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **63, 90.728, 136.228**, and if you desaturate by 10%, it is **63, 87.638, 136.809**.

Distribution



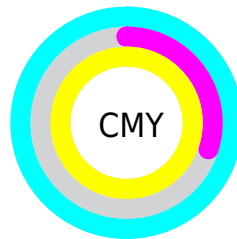
- Red (0%)
- Green (69%)
- Blue (2%)



- Red (0%)
- Yellow (67%)
- Blue (69%)



- Cyan (99%)
- Magenta (0%)
- Yellow (97%)
- Black (30%)





- Cyan (99%)
- Magenta (30%)
- Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 90.545, 136.257 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, 90.545, 136.257 by changing the saturation by 10% instead.


 63, 90.545,
136.257


 63, 90.545,
136.257


 100, 90.545,
136.257


 53, 90.545,
136.257


 83, 90.545,
136.257

 43, 90.545,
136.257

 93, 90.545,
136.257

 33, 90.545,
136.257

 23, 90.545,
136.257

 13, 90.545,
136.257

 3, 90.545, 136.257

 0, 90.545, 136.257

■ 63, 90.545,
136.257

■ 63, 90.545,
136.257

■ 63, 90.728,
136.228

■ 63, 87.638,
136.809

■ 63, 82.562,
137.711

■ 64, 75.411,
138.818

■ 65, 66.590,
139.992

■ 65, 56.530,
141.130

■ 66, 45.616,
142.173

■ 68, 34.179,
143.096

■ 69, 22.484,

143.898

■ 71, 10.739,
144.592

Harmonies

Complementary

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



63, 90.545, 136.257



42, 86.160, 329.227

Rectangle

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



63, 90.545, 136.257



63, 90.545, 186.257



63, 90.545, 316.257



63, 90.545, 6.257

Sweetspot

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



63, 90.544, 136.258



85, 43.254, 142.985



70, 73.645, 103.891



44, 29.424, 142.614



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, 90.544, 136.258



80, 110.193, 136.170



64, 66.221, 150.233



37, 6.627, 144.585



55, 81.301, 136.269



6, 16.049, 144.956

Inverse Universe

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



42, 86.160, 329.227



54, 104.636, 329.257



38, 64.274, 3.139



35, 6.638, 325.596



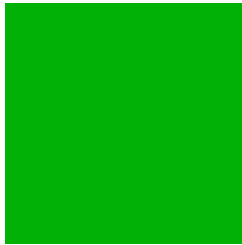
36, 77.430, 329.228



3, 15.846, 325.469

Previews

White Background



This preview shows how the CIE LCh color 63, 90.545, 136.257 looks on a white background.

Color Contrast Check

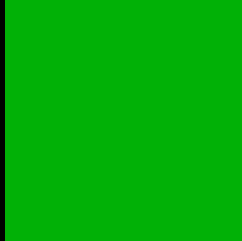
Large Text (above 18pt) WCAG AA × Fail

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, 90.545, 136.257 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

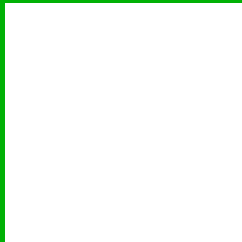
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 63, 90.545, 136.257

Background



This preview shows how black text looks on a background with the CIELCh color 63, 90.545, 136.257.



This preview shows how white text looks on a background with the CIELCh color 63, 90.545, 136.257.

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, 90.408, 136.281

Protanopia

63, 66.503, 95.200

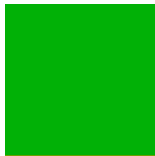
Deuteranopia

63, 58.793, 82.429



Tritanopia
63, 27.468, 212.804

Trichromacy



Original Color
63, 90.408, 136.281



Protanomaly
61, 72.644, 120.904

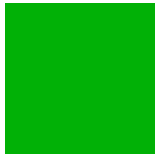


Deuteranomaly
60, 64.521, 117.253



Tritanomaly
62, 49.449, 157.977

Monochromacy



Original Color
63, 90.408, 136.281



Achromatopsia
44, 0.006, 296.813



Achromatomaly
49, 43.738, 141.473

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 90.545, 136.257 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, 6)` looks like.

```
.text, #text, p{  
    color:rgb(1, 177, 6)  
}
```

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, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 177, 6) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 90.545, 136.257 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, 6) }
```

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

```
.border{ border-color:rgb(1, 177, 6) }
```

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, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 177, 6); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 177, 6); box-shadow:4px  
4px 4px 4px rgb(1, 177, 6) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 90.545, 136.257 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, 6) }
```

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

```
.background{ background-color: rgb(1, 177,  
6) }
```

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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