

Converting Colors

CIELCh(63, 88.225, 137.504)

Have a look what the booklet for
CIELCh(63, 88.225, 137.504)
contains.

CIELCh(63, 88.006, 137.433)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(63, 88.006, 137.433)

Conversions

Conversions Part 1

Format	Color
Hex	01B118
RGB	1, 177, 24
RGB Percent	0%, 69%, 9%
CMY	0.9969, 0.3052, 0.9048
CMYK	1.00, 0.00, 0.86, 0.31
HSL	128°, 99%, 35%
HSV	128°, 100%, 69%
XYZ	15.9349, 31.5869, 6.1353
YIQ	106.9340, -55.7830, -84.8950

Conversions

Conversions Part 2

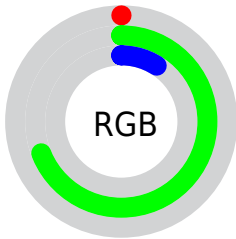
Format	Color
RYB	1, 157, 177
Decimal	110872
CIELab	63.00, -64.82, 59.53
CIELCh	63, 88.006, 137.433
Yxy	31.5869, 0.2970, 0.5887
Android (android.graphics.Color)	4278300952 (0xFF01B118)
YUV	106.9340, -40.8865, -92.9041
Hunter-Lab	56.2022, -47.7444, 32.8692

Details

The CIELCh color **63, 88.006, 137.433** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **41, 79.208, 334.302**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **83, 87.883, 137.420**, and **44, 69.821, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **63, 88.156, 137.394**, and if you desaturate by 10%, it is **63, 83.900, 138.625**.

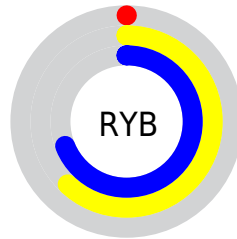
Distribution



Red (0%)

Green (69%)

Blue (9%)



Red (0%)

Yellow (62%)

Blue (69%)

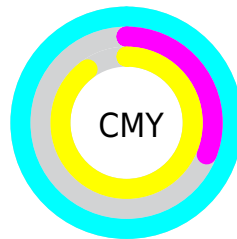


Cyan (100%)

Magenta (0%)

Yellow (86%)

Black (31%)



Cyan (100%)


Magenta (31%)


Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 88.006, 137.433 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, 88.006, 137.433 by changing the saturation by 10% instead.


 63, 88.006,
137.433

 63, 88.006,
137.433


 100, 88.006,
137.433


 53, 88.006,
137.433


 83, 88.006,
137.433

 43, 88.006,
137.433

 93, 88.006,
137.433

 33, 88.006,
137.433

 23, 88.006,
137.433

 13, 88.006,
137.433

 3, 88.006, 137.433

 0, 88.006, 137.433

■ 63, 88.006,
137.433

■ 63, 88.006,
137.433

■ 63, 88.156,
137.394

■ 63, 83.900,
138.625

■ 63, 78.135,
140.033

■ 64, 70.850,
141.469

■ 65, 62.318,
142.841

■ 65, 52.823,
144.093

■ 66, 42.642,
145.203

■ 68, 32.025,
146.171

■ 69, 21.187,

147.008

■ 71, 10.305,
147.737

Harmonies

Complementary

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



63, 88.006, 137.433



41, 79.208, 334.302

Rectangle

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



63, 88.006, 137.433



63, 88.006, 187.433



63, 88.006, 317.433



63, 88.006, 7.433

Sweetspot

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



63, 88.006, 137.434



85, 40.110, 146.085



68, 74.347, 109.916



45, 27.292, 145.698



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, 88.006, 137.434



80, 107.528, 137.180



64, 59.300, 156.013



37, 6.145, 147.752



55, 78.824, 137.549



7, 15.148, 147.359

Inverse Universe

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



41, 79.208, 334.302



53, 96.018, 334.450



37, 64.610, 12.893



35, 6.159, 328.815



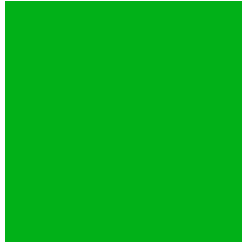
35, 71.222, 334.250



2, 14.203, 330.310

Previews

White Background



This preview shows how the CIELCh color 63, 88.006, 137.433 looks on a white background.

Color Contrast Check

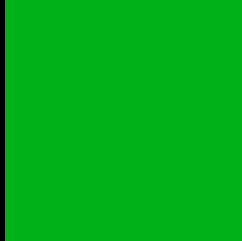
Large Text (above 18pt) WCAG AA × Fail

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, 88.006, 137.433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

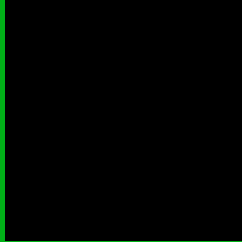
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 88.006, 137.433

Background



This preview shows how black text looks on a background with the CIELCh color 63, 88.006, 137.433.



This preview shows how white text looks on a background with the CIELCh color 63, 88.006, 137.433.

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, 87.974, 137.408

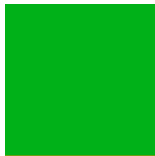
Protanopia
63, 64.120, 95.184

Deuteranopia
63, 56.646, 81.899



Tritanopia
63, 27.468, 212.804

Trichromacy



Original Color
63, 87.974, 137.408



Protanomaly
61, 70.174, 121.752



Deuteranomaly
60, 61.613, 118.167



Tritanomaly
62, 46.861, 161.511

Monochromacy



Original Color
63, 87.974, 137.408



Achromatopsia
45, 0.006, 296.813



Achromatomaly
50, 41.166, 144.470

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 88.006, 137.433 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, 24)` looks like.

```
.text, #text, p{  
    color:rgb(1, 177, 24)  
}
```

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, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 177, 24) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 88.006, 137.433 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, 24) }
```

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

```
.border{ border-color:rgb(1, 177, 24) }
```

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, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 177, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 177, 24);  
box-shadow:4px 4px 4px 4px rgb(1, 177, 24)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 63, 88.006, 137.433 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, 24) }
```

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

```
.background{ background-color: rgb(1, 177,  
24) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor