

Converting Colors

CIELCh(63, 66.949, 136.980)

Have a look what the booklet for
CIELCh(63, 66.949, 136.980)
contains.

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Color

CIELCh(63, 66.837, 137.050)

Conversions

Conversions Part 1

Format	Color
Hex	4DAC41
RGB	77, 172, 65
RGB Percent	30%, 67%, 25%
CMY	0.6969, 0.3244, 0.7441
CMYK	0.55, 0.00, 0.62, 0.32
HSL	113°, 45%, 47%
HSV	113°, 62%, 68%
XYZ	18.8527, 31.5869, 10.1441
YIQ	131.3970, -22.2730, -53.4170

Conversions

Conversions Part 2

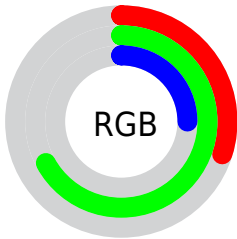
Format	Color
RYB	65, 172, 160
Decimal	5090369
CIELab	63.00, -48.92, 45.54
CIElCh	63, 66.837, 137.050
Yxy	31.5869, 0.3112, 0.5214
Android (android.graphics.Color)	4283280449 (0xFF4DAC41)
YUV	131.3970, -32.7337, -47.7062
Hunter-Lab	56.2022, -38.4773, 28.6401

Details

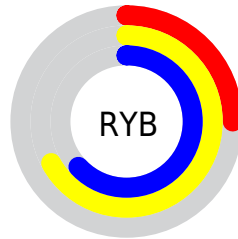
The CIELCh color **63, 66.837, 137.050** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **45, 67.070, 323.969**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 66.650, 137.134**, and **43, 66.880, 136.812** is the 20% darker color. If you saturate the color by 10%, you get **62, 75.163, 136.299**, and if you desaturate by 10%, it is **64, 57.273, 137.879**.

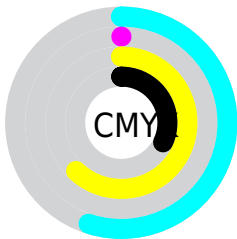
Distribution



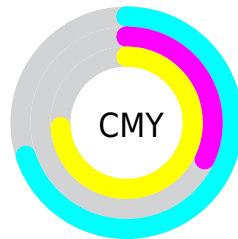
- Red (30%)
- Green (67%)
- Blue (25%)



- Red (25%)
- Yellow (67%)
- Blue (63%)



- Cyan (55%)
- Magenta (0%)
- Yellow (62%)
- Black (32%)





- Cyan (70%)
- Magenta (32%)
- Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 66.837, 137.050 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, 66.837, 137.050 by changing the saturation by 10% instead.


 63, 66.837,
137.050


 63, 66.837,
137.050


 100, 66.837,
137.050


 53, 66.837,
137.050


 83, 66.837,
137.050

 43, 66.837,
137.050

 93, 66.837,
137.050

 33, 66.837,
137.050

 23, 66.837,
137.050

 13, 66.837,
137.050

 3, 66.837, 137.050

 0, 66.837, 137.050

■ 63, 66.837,
137.050

■ 63, 66.837,
137.050

■ 62, 75.163,
136.299

■ 64, 57.273,
137.879

■ 62, 81.785,
135.743

■ 65, 46.873,
138.699

■ 62, 86.295,
135.507

■ 66, 35.961,
139.463

■ 61, 88.573,
135.439

■ 67, 24.785,
140.150

■ 69, 13.533,
140.758

■ 70, 2.344, 141.349

■ 72, 8.685, 321.682

■ 74, 19.484,
322.075

■ 76, 30.010,
322.401

Harmonies

Complementary

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



63, 66.837, 137.050



45, 67.070, 323.969

Rectangle

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



63, 66.837, 137.050



63, 66.837, 187.050



63, 66.837, 317.050



63, 66.837, 7.050

Sweetspot

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



63, 66.838, 137.051



86, 26.383, 140.327



65, 50.112, 98.346



45, 18.145, 140.151



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



63, 66.838, 137.051



79, 95.246, 136.033



63, 52.185, 151.251



36, 6.345, 140.916



54, 80.090, 135.368



6, 13.456, 141.947

Inverse Universe

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



45, 67.070, 323.969



53, 94.796, 324.192



45, 52.900, 343.758



34, 6.368, 321.780



32, 78.569, 323.953



2, 13.182, 320.007

Previews

White Background



This preview shows how the CIELCh color 63, 66.837, 137.050 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 CIE LCh color 63, 66.837, 137.050 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, 66.837, 137.050

Background



This preview shows how black text looks on a background with the CIELCh color 63, 66.837, 137.050.

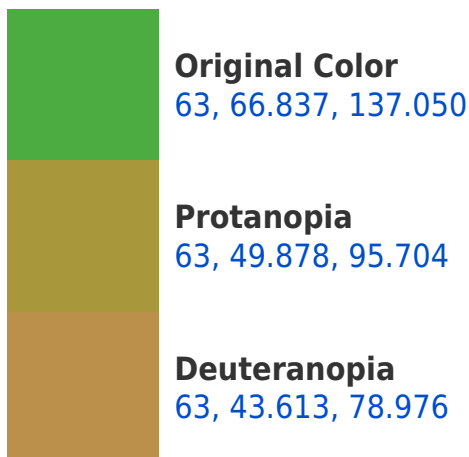


This preview shows how white text looks on a background with the CIELCh color 63, 66.837, 137.050.

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
63, 20.774, 218.541

Trichromacy



Original Color
63, 66.837, 137.050



Protanomaly
62, 52.361, 115.730



Deuteranomaly
61, 44.591, 109.212



Tritanomaly
62, 31.581, 163.388

Monochromacy



Original Color
63, 66.837, 137.050



Achromatopsia
55, 0.007, 296.813



Achromatomaly
57, 26.207, 140.141

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 66.837, 137.050 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(77, 172, 65)` looks like.

```
.text, #text, p{  
    color:rgb(77, 172, 65)  
}
```

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(77, 172, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 172, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 66.837, 137.050 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(77, 172, 65) }
```

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

```
.border{ border-color:rgb(77, 172, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 172, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 172, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 172, 65);  
box-shadow:4px 4px 4px 4px rgb(77, 172,  
65) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 66.837, 137.050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 172, 65) }
```

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

```
.background{ background-color: rgb(77, 172,  
65) }
```

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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