

Converting Colors

CIELCh(67, 83.333, 137.762)

Have a look what the booklet for
CIELCh(67, 83.333, 137.762)
contains.

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Color

CIELCh(67, 83.229, 137.674)

Conversions

Conversions Part 1

Format	Color
Hex	33BB31
RGB	51, 187, 49
RGB Percent	20%, 73%, 19%
CMY	0.8016, 0.2651, 0.8062
CMYK	0.73, 0.00, 0.74, 0.27
HSL	119°, 58%, 46%
HSV	119°, 74%, 73%
XYZ	19.7649, 36.6320, 8.9814
YIQ	130.6040, -36.7580, -71.7500

Conversions

Conversions Part 2

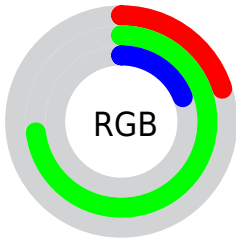
Format	Color
R_{YB}	49, 187, 185
Decimal	3390257
CIE _{Lab}	67.00, -61.53, 56.04
CIE _{LCh}	67, 83.229, 137.674
Yxy	36.6320, 0.3023, 0.5603
Android (android.graphics.Color)	4281580337 (0xFF33BB31)
YUV	130.6040, -40.2308, -69.8127
Hunter-Lab	60.5244, -47.6264, 33.5688

Details

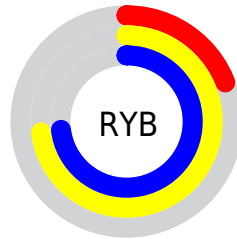
The CIELCh color **67, 83.229, 137.674** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **47, 81.642, 327.575**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **87, 82.888, 137.590**, and **48, 73.466, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **67, 89.579, 136.793**, and if you desaturate by 10%, it is **68, 74.782, 138.735**.

Distribution



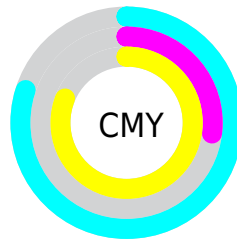
- Red (20%)
- Green (73%)
- Blue (19%)



- Red (19%)
- Yellow (73%)
- Blue (73%)



- Cyan (73%)
- Magenta (0%)
- Yellow (74%)
- Black (27%)



- Cyan (80%)
- Magenta (27%)
- Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 83.229, 137.674 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 67, 83.229, 137.674 by changing the saturation by 10% instead.

 67, 83.229,
137.674

 67, 83.229,
137.674

 100, 83.229,
137.674


 57, 83.229,
137.674


 87, 83.229,
137.674

 47, 83.229,
137.674

 97, 83.229,
137.674

 37, 83.229,
137.674

 27, 83.229,
137.674

 17, 83.229,
137.674

 7, 83.229, 137.674

 0, 83.229, 137.674

■ 67, 83.229,
137.674

■ 67, 83.229,
137.674

■ 67, 89.579,
136.793

■ 68, 74.782,
138.735

■ 66, 93.466,
136.225

■ 68, 64.732,
139.839

■ 66, 94.983,
135.981

■ 69, 53.552,
140.894

■ 71, 41.643,
141.850

■ 72, 29.331,
142.690

■ 74, 16.871,
143.418

■ 75, 4.456, 144.072

■ 77, 7.778, 324.507

■ 79, 19.735,
324.967

Harmonies

Complementary

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



67, 83.229, 137.674



47, 81.642, 327.575

Rectangle

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



67, 83.229, 137.674



67, 83.229, 187.674



67, 83.229, 317.674



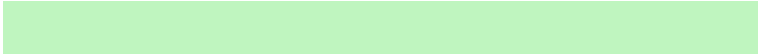
67, 83.229, 7.674

Sweetspot

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



67, 83.229, 137.675



92, 33.928, 142.788



73, 66.203, 102.887



48, 22.789, 142.576



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



67, 83.229, 137.675



85, 112.621, 136.417



68, 58.646, 153.787



39, 7.038, 143.699



57, 83.746, 135.974



9, 21.633, 144.233

Inverse Universe

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



47, 81.642, 327.575



59, 109.232, 327.837



45, 60.535, 352.235



37, 7.049, 324.698



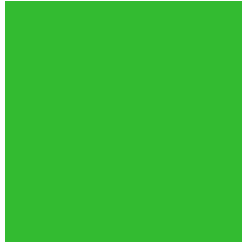
37, 80.876, 327.901



3, 21.391, 325.089

Previews

White Background



This preview shows how the CIELCh color 67, 83.229, 137.674 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 67, 83.229, 137.674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

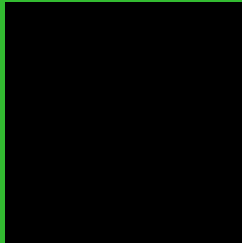
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 83.229, 137.674

Background



This preview shows how black text looks on a background with the CIELCh color 67, 83.229, 137.674.



This preview shows how white text looks on a background with the CIELCh color 67, 83.229, 137.674.

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](#).

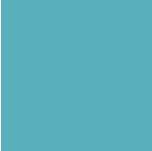
Dichromacy



Original Color
67, 83.124, 137.584

Protanopia
66, 60.459, 95.116

Deuteranopia
66, 53.432, 81.123



Tritanopia
67, 26.481, 214.638

Trichromacy



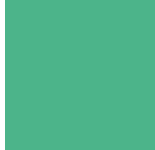
Original Color
67, 83.124, 137.584



Protanomaly
65, 64.660, 118.134



Deuteranomaly
65, 56.252, 113.334



Tritanomaly
67, 42.102, 162.681

Monochromacy



Original Color
67, 83.124, 137.584



Achromatopsia
55, 0.007, 296.813



Achromatomaly
58, 34.917, 141.647

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 83.229, 137.674 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(51, 187, 49)` looks like.

```
.text, #text, p{  
    color:rgb(51, 187, 49)  
}
```

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(51, 187, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 187, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 83.229, 137.674 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(51, 187, 49) }
```

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

```
.border{ border-color:rgb(51, 187, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 187, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 187, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 187, 49);  
box-shadow:4px 4px 4px 4px rgb(51, 187,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 83.229, 137.674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 187, 49) }
```

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

```
.background{ background-color: rgb(51, 187,  
49) }
```

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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