

Converting Colors

CIELCh(67, 83.651, 139.425)

Have a look what the booklet for
CIELCh(67, 83.651, 139.425)
contains.

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Color

CIELCh(67, 83.530, 139.508)

Conversions

Conversions Part 1

Format	Color
Hex	23BC36
RGB	35, 188, 54
RGB Percent	14%, 74%, 21%
CMY	0.8621, 0.2624, 0.7879
CMYK	0.81, 0.00, 0.71, 0.26
HSL	127°, 68%, 44%
HSV	127°, 81%, 74%
XYZ	19.3691, 36.6320, 9.5509
YIQ	126.9770, -48.1740, -74.1100

Conversions

Conversions Part 2

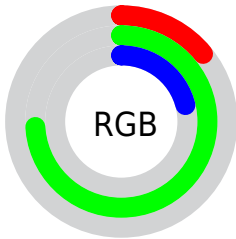
Format	Color
RYB	35, 171, 188
Decimal	2341942
CIELab	67.00, -63.52, 54.24
CIELCh	67, 83.530, 139.508
Yxy	36.6320, 0.2955, 0.5588
Android (android.graphics.Color)	4280532022 (0xFF23BC36)
YUV	126.9770, -35.9777, -80.6638
Hunter-Lab	60.5244, -48.7939, 33.0109

Details

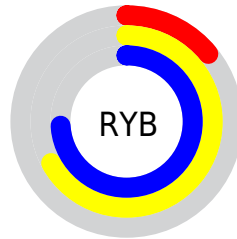
The CIELCh color **67, 83.530, 139.508** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **45, 79.217, 332.777**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **87, 83.318, 139.506**, and **48, 73.868, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **67, 89.157, 138.157**, and if you desaturate by 10%, it is **67, 76.198, 140.928**.

Distribution



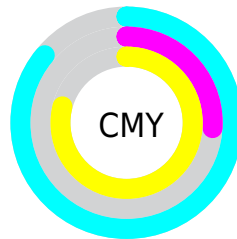
- Red (14%)
- Green (74%)
- Blue (21%)



- Red (14%)
- Yellow (67%)
- Blue (74%)



- Cyan (81%)
- Magenta (0%)
- Yellow (71%)
- Black (26%)




- Cyan (86%)
- Magenta (26%)
- Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 83.530, 139.508 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, 83.530, 139.508 by changing the saturation by 10% instead.

 67, 83.530,
139.508


 67, 83.530,
139.508


 100, 83.530,
139.508

 57, 83.530,
139.508

 87, 83.530,
139.508

 47, 83.530,
139.508

 97, 83.530,
139.508

 37, 83.530,
139.508

 27, 83.530,
139.508

 17, 83.530,
139.508

 7, 83.530, 139.508

 0, 83.530, 139.508

■ 67, 83.530,
139.508

■ 67, 83.530,
139.508

■ 67, 89.157,
138.157

■ 67, 76.198,
140.928

■ 67, 92.581,
137.204

■ 68, 67.456,
142.308

■ 69, 57.615,
143.583

■ 70, 46.981,
144.721

■ 71, 35.830,
145.716

■ 73, 24.405,
146.576

■ 74, 12.900,
147.321

■ 76, 1.470, 148.117

Harmonies

Complementary

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



67, 83.530, 139.508



45, 79.217, 332.777

Rectangle

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



67, 83.530, 139.508



67, 83.530, 189.508



67, 83.530, 319.508



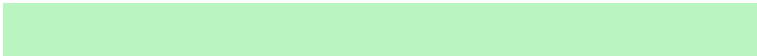
67, 83.530, 9.508

Sweetspot

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



67, 83.530, 139.509



91, 34.066, 146.324



73, 71.981, 109.585



48, 23.387, 146.018



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, 83.530, 139.509



85, 112.606, 137.195



68, 55.240, 159.809



39, 6.477, 147.456



57, 81.093, 137.369



9, 20.415, 146.790

Inverse Universe

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



45, 79.217, 332.777



56, 101.366, 333.853



42, 62.053, 4.926



37, 6.491, 328.522



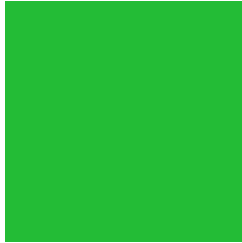
36, 73.460, 333.788



3, 19.015, 330.342

Previews

White Background



This preview shows how the CIELCh color 67, 83.530, 139.508 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, 83.530, 139.508 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, 83.530, 139.508

Background



This preview shows how black text looks on a background with the CIELCh color 67, 83.530, 139.508.



This preview shows how white text looks on a background with the CIELCh color 67, 83.530, 139.508.

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, 83.530, 139.508

Protanopia

66, 58.958, 95.508

Deuteranopia

66, 51.717, 80.567



Tritanopia
67, 28.128, 213.480

Trichromacy



Original Color
67, 83.530, 139.508



Protanomaly
65, 63.673, 120.777



Deuteranomaly
64, 55.012, 115.943



Tritanomaly
66, 42.828, 165.762

Monochromacy



Original Color
67, 83.530, 139.508



Achromatopsia
53, 0.007, 296.813



Achromatomaly
57, 35.222, 144.803

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 83.530, 139.508 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(35, 188, 54)` looks like.

```
.text, #text, p{  
    color:rgb(35, 188, 54)  
}
```

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(35, 188, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 188, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 83.530, 139.508 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(35, 188, 54) }
```

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

```
.border{ border-color:rgb(35, 188, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 188, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 188, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 188, 54);  
box-shadow:4px 4px 4px 4px rgb(35, 188,  
54) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 83.530, 139.508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 188, 54) }
```

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

```
.background{ background-color: rgb(35, 188,  
54) }
```

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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