

Converting Colors

CIELCh(68, 86.491, 139.686)

Have a look what the booklet for
CIELCh(68, 86.491, 139.686)
contains.

CIELCh(68, 86.678, 139.647)	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(68, 86.678, 139.647)

Conversions

Conversions Part 1

Format	Color
Hex	16C034
RGB	22, 192, 52
RGB Percent	9%, 75%, 20%
CMY	0.9134, 0.2483, 0.7974
CMYK	0.88, 0.00, 0.73, 0.25
HSL	130°, 79%, 42%
HSV	130°, 88%, 75%
XYZ	19.7227, 37.9720, 9.4995
YIQ	125.2100, -56.3800, -79.5800

Conversions

Conversions Part 2

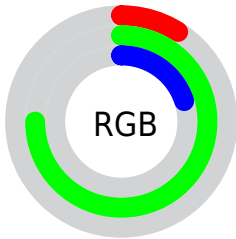
Format	Color
RYB	22, 167, 192
Decimal	1490996
CIELab	68.00, -66.05, 56.12
CIELCh	68, 86.678, 139.647
Yxy	37.9720, 0.2935, 0.5651
Android (android.graphics.Color)	4279681076 (0xFF16C034)
YUV	125.2100, -36.0925, -90.5152
Hunter-Lab	61.6215, -50.7064, 33.9949

Details

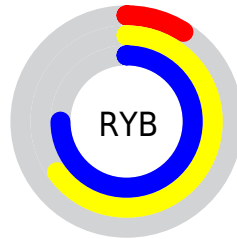
The CIELCh color **68, 86.678, 139.647** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark washed green. A complement of this color would be **45, 79.873, 335.656**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **88, 86.783, 139.719**, and **49, 75.472, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **68, 91.473, 138.195**, and if you desaturate by 10%, it is **68, 80.297, 141.215**.

Distribution



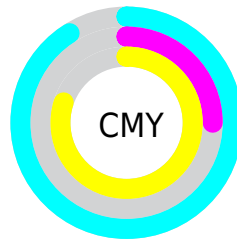
- Red (9%)
- Green (75%)
- Blue (20%)



- Red (9%)
- Yellow (65%)
- Blue (75%)



- Cyan (88%)
- Magenta (0%)
- Yellow (73%)
- Black (25%)




- Cyan (91%)
- Magenta (25%)
- Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 86.678, 139.647 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 68, 86.678, 139.647 by changing the saturation by 10% instead.

 68, 86.678,
139.647

 68, 86.678,
139.647

 100, 86.678,
139.647

 58, 86.678,
139.647

 88, 86.678,
139.647

 48, 86.678,
139.647

 98, 86.678,
139.647

 38, 86.678,
139.647

 28, 86.678,
139.647

 18, 86.678,
139.647

 8, 86.678, 139.647

 0, 86.678, 139.647

■ 68, 86.678,
139.647

■ 68, 86.678,
139.647

■ 68, 91.473,
138.195

■ 68, 80.297,
141.215

■ 68, 92.083,
138.015

■ 69, 72.484,
142.749

■ 70, 63.481,
144.176

■ 70, 53.551,
145.458

■ 72, 42.957,
146.585

■ 73, 31.942,
147.564

■ 74, 20.720,
148.410

■ 76, 9.464, 149.150

Harmonies

Complementary

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



68, 86.678, 139.647



45, 79.873, 335.656

Rectangle

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



68, 86.678, 139.647



68, 86.678, 189.647



68, 86.678, 319.647



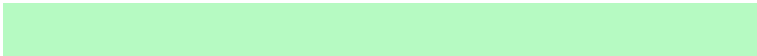
68, 86.678, 9.647

Sweetspot

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



68, 86.678, 139.648



93, 37.564, 147.658



73, 76.660, 112.299



49, 25.286, 147.343



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



68, 86.678, 139.648



86, 113.050, 137.774



69, 55.831, 161.714



40, 6.385, 149.087



58, 80.398, 138.220



10, 22.292, 147.398

Inverse Universe

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



45, 79.873, 335.656



57, 99.094, 336.834



42, 65.979, 12.338



38, 6.403, 330.192



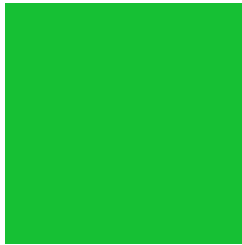
36, 71.503, 336.539



4, 20.529, 333.270

Previews

White Background



This preview shows how the CIELCh color 68, 86.678, 139.647 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 68, 86.678, 139.647 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 68, 86.678, 139.647

Background



This preview shows how black text looks on a background with the CIELCh color 68, 86.678, 139.647.



This preview shows how white text looks on a background with the CIELCh color 68, 86.678, 139.647.

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
68, 86.728, 139.685

Protanopia
67, 60.821, 95.674

Deuteranopia
67, 53.575, 80.790



Tritanopia
68, 29.151, 212.799

Trichromacy



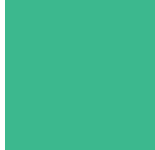
Original Color
68, 86.728, 139.685



Protanomaly
66, 67.096, 122.222



Deuteranomaly
65, 57.654, 117.835



Tritanomaly
67, 45.537, 165.319

Monochromacy



Original Color
68, 86.728, 139.685



Achromatopsia
52, 0.007, 296.813



Achromatomaly
57, 37.453, 146.071

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 86.678, 139.647 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(22, 192, 52)` looks like.

```
.text, #text, p{  
    color:rgb(22, 192, 52)  
}
```

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(22, 192, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 192, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 86.678, 139.647 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(22, 192, 52) }
```

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

```
.border{ border-color:rgb(22, 192, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 192, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 192, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 192, 52);  
box-shadow:4px 4px 4px 4px rgb(22, 192,  
52) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 86.678, 139.647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 192, 52) }
```

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

```
.background{ background-color: rgb(22, 192,  
52) }
```

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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