

Converting Colors

CIELCh(69, 85.396, 136.410)

Have a look what the booklet for
CIELCh(69, 85.396, 136.410)
contains.

CIELCh(69, 85.427, 136.397)	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(69, 85.427, 136.397)

Conversions

Conversions Part 1

Format	Color
Hex	3CC12F
RGB	60, 193, 47
RGB Percent	24%, 76%, 18%
CMY	0.7643, 0.2428, 0.8153
CMYK	0.69, 0.00, 0.76, 0.24
HSL	115°, 61%, 47%
HSV	115°, 76%, 76%
XYZ	21.4719, 39.3444, 9.1606
YIQ	136.5890, -32.4020, -73.6020

Conversions

Conversions Part 2

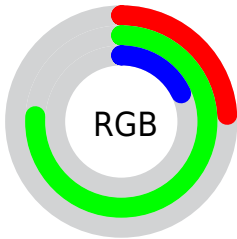
Format	Color
RYB	47, 193, 180
Decimal	3981615
CIELab	69.00, -61.86, 58.92
CIELCh	69, 85.427, 136.397
Yxy	39.3444, 0.3068, 0.5622
Android (android.graphics.Color)	4282171695 (0xFF3CC12F)
YUV	136.5890, -44.1674, -67.1686
Hunter-Lab	62.7251, -48.6654, 35.2487

Details

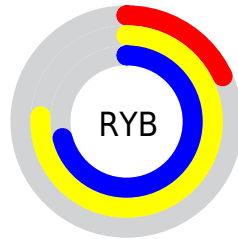
The CIELCh color **69, 85.427, 136.397** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **46, 84.659, 324.956**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **89, 85.676, 136.428**, and **50, 75.871, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **69, 91.706, 135.876**, and if you desaturate by 10%, it is **70, 77.022, 137.163**.

Distribution



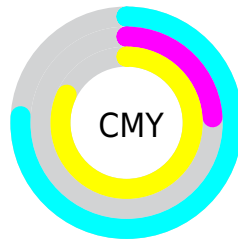
- Red (24%)
- Green (76%)
- Blue (18%)



- Red (18%)
- Yellow (76%)
- Blue (71%)



- Cyan (69%)
- Magenta (0%)
- Yellow (76%)
- Black (24%)





- Cyan (76%)
- Magenta (24%)
- Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 85.427, 136.397 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 69, 85.427, 136.397 by changing the saturation by 10% instead.


 69, 85.427,
136.397


 69, 85.427,
136.397


 100, 85.427,
136.397


 59, 85.427,
136.397


 89, 85.427,
136.397

 49, 85.427,
136.397

 99, 85.427,
136.397

 39, 85.427,
136.397

 29, 85.427,
136.397

 19, 85.427,
136.397

 9, 85.427, 136.397

 0, 85.427, 136.397

■ 69, 85.427,
136.397

■ 69, 85.427,
136.397

■ 69, 91.706,
135.876

■ 70, 77.022,
137.163

■ 68, 95.512,
135.702

■ 70, 67.005,
138.041

■ 68, 96.655,
135.635

■ 71, 55.864,
138.928

■ 73, 44.002,
139.762

■ 74, 31.736,
140.515

■ 75, 19.308,
141.178

■ 77, 6.898, 141.769

■ 79, 5.363, 322.179

■ 81, 17.385,
322.623

Harmonies

Complementary

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



69, 85.427, 136.397



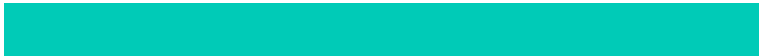
46, 84.659, 324.956

Rectangle

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



69, 85.427, 136.397



69, 85.427, 186.397



69, 85.427, 316.397



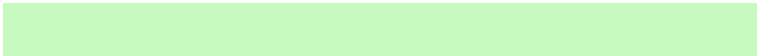
69, 85.427, 6.397

Sweetspot

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



69, 85.427, 136.398



93, 35.138, 140.672



72, 64.890, 97.980



49, 24.315, 140.415



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



69, 85.427, 136.398



86, 114.809, 135.719



69, 66.088, 149.557



40, 7.009, 141.551



58, 84.260, 135.561



10, 23.698, 142.401

Inverse Universe

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



46, 84.659, 324.956



56, 112.404, 324.899



46, 65.488, 347.014



38, 7.031, 322.455



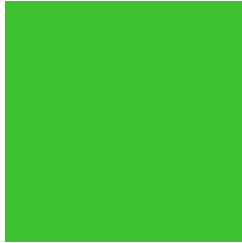
35, 82.267, 324.802



4, 23.123, 322.433

Previews

White Background



This preview shows how the CIELCh color 69, 85.427, 136.397 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 69, 85.427, 136.397 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 69, 85.427, 136.397

Background



This preview shows how black text looks on a background with the CIELCh color 69, 85.427, 136.397.



This preview shows how white text looks on a background with the CIELCh color 69, 85.427, 136.397.

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
69, 85.427, 136.397

Protanopia
68, 63.068, 94.971

Deuteranopia
68, 56.602, 81.392



Tritanopia
69, 26.171, 216.102

Trichromacy



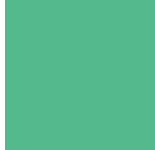
Original Color
69, 85.427, 136.397



Protanomaly
67, 66.888, 116.768



Deuteranomaly
67, 58.854, 111.478



Tritanomaly
68, 42.198, 161.272

Monochromacy



Original Color
69, 85.427, 136.397



Achromatopsia
57, 0.007, 296.813



Achromatomaly
60, 35.223, 139.819

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 85.427, 136.397 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(60, 193, 47)` looks like.

```
.text, #text, p{  
    color:rgb(60, 193, 47)  
}
```

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(60, 193, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 193, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 85.427, 136.397 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(60, 193, 47) }
```

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

```
.border{ border-color:rgb(60, 193, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 193, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 193, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 193, 47);  
box-shadow:4px 4px 4px 4px rgb(60, 193,  
47) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 85.427, 136.397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 193, 47) }
```

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

```
.background{ background-color: rgb(60, 193,  
47) }
```

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