

Converting Colors

CIELCh(47, 68.955, 140.246)

Have a look what the booklet for
CIELCh(47, 68.955, 140.246)
contains.

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Color

CIELCh(47, 67.963, 139.030)

Conversions

Conversions Part 1

Format	Color
Hex	008219
RGB	0, 130, 25
RGB Percent	0%, 51%, 10%
CMY	1.0000, 0.4901, 0.9023
CMYK	1.00, 0.00, 0.81, 0.49
HSL	131°, 100%, 25%
HSV	131°, 100%, 51%
XYZ	8.1226, 16.0195, 3.5779
YIQ	79.1600, -43.7750, -60.2150

Conversions

Conversions Part 2

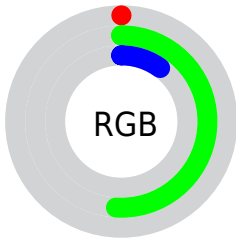
Format	Color
RYB	0, 109, 130
Decimal	33305
CIELab	47.00, -51.32, 44.56
CIELCh	47, 67.963, 139.030
Yxy	16.0195, 0.2930, 0.5779
Android (android.graphics.Color)	4278223385 (0xFF008219)
YUV	79.1600, -26.7009, -69.4233
Hunter-Lab	40.0243, -33.8176, 22.7169

Details

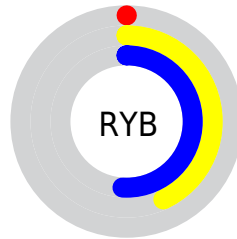
The CIELCh color **47, 67.963, 139.030** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **29, 60.667, 337.316**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 67.547, 139.053**, and **28, 51.215, 136.020** is the 20% darker color. If you saturate the color by 10%, you get **47, 67.818, 138.889**, and if you desaturate by 10%, it is **47, 63.965, 140.282**.

Distribution



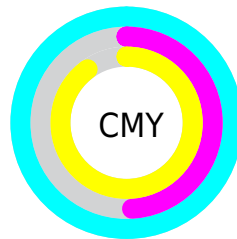
- Red (0%)
- Green (51%)
- Blue (10%)



- Red (0%)
- Yellow (43%)
- Blue (51%)



- Cyan (100%)
- Magenta (0%)
- Yellow (81%)
- Black (49%)





- Cyan (100%)
- Magenta (49%)
- Yellow (90%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 67.963, 139.030 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 47, 67.963, 139.030 by changing the saturation by 10% instead.


 47, 67.963,
139.030


 47, 67.963,
139.030


 100, 67.963,
139.030


 37, 67.963,
139.030

 67, 67.963,
139.030


 27, 67.963,
139.030

 77, 67.963,
139.030

 17, 67.963,
139.030

 87, 67.963,
139.030

 7, 67.963, 139.030

 97, 67.963,
139.030

 0, 67.963, 139.030

 47, 67.963,

 47, 67.963,

139.030

139.030

■ 47, 67.818,
138.889

■ 47, 63.965,
140.282

■ 47, 59.174,
141.851

■ 48, 53.433,
143.362

■ 48, 46.897,
144.757

■ 49, 39.733,
146.008

■ 50, 32.114,
147.110

■ 51, 24.200,
148.071

■ 52, 16.133,
148.906

Harmonies

Complementary

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



47, 67.963, 139.030



29, 60.667, 337.316

Rectangle

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



47, 67.963, 139.030



47, 67.963, 189.030



47, 67.963, 319.030



47, 67.963, 9.030

Sweetspot

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



47, 67.818, 138.889



65, 29.879, 148.010



51, 60.035, 113.487



33, 20.266, 147.685



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



47, 67.818, 138.889



60, 82.646, 138.502



48, 43.261, 161.263



26, 4.453, 149.703



46, 66.816, 138.923



0, 0.000, 0.000

Inverse Universe

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



29, 60.667, 337.316



38, 73.026, 337.567



26, 52.372, 17.758



25, 4.467, 330.742



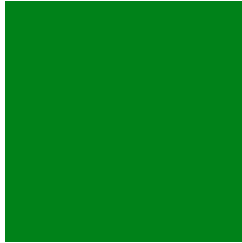
28, 59.835, 337.295



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 47, 67.963, 139.030 looks on a white 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 × Fail

Black Background



This preview shows how the CIE LCh color 47, 67.963, 139.030 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 67.963, 139.030

Background



This preview shows how black text looks on a background with the CIELCh color 47, 67.963, 139.030.



This preview shows how white text looks on a background with the CIELCh color 47, 67.963, 139.030.

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


47, 67.786, 138.906

Protanopia

47, 48.175, 95.306

Deuteranopia

47, 42.472, 82.144



Tritanopia
47, 21.593, 213.402

Trichromacy



Original Color
47, 67.786, 138.906



Protanomaly
45, 52.998, 122.531



Deuteranomaly
45, 46.383, 119.693



Tritanomaly
46, 35.729, 163.711

Monochromacy



Original Color
47, 67.786, 138.906



Achromatopsia
34, 0.005, 296.813



Achromatomaly
37, 31.040, 146.170

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 67.963, 139.030 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(0, 130, 25)` looks like.

```
.text, #text, p{  
    color:rgb(0, 130, 25)  
}
```

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(0, 130, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 130, 25) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 67.963, 139.030 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(0, 130, 25) }
```

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

```
.border{ border-color:rgb(0, 130, 25) }
```

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

Here you see how a box with a 4 pixel rgb(0, 130, 25) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 130, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 130, 25);  
box-shadow:4px 4px 4px 4px rgb(0, 130, 25)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 47, 67.963, 139.030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 130, 25) }
```

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

```
.background{ background-color: rgb(0, 130,  
25) }
```

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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