

Converting Colors

CIELCh(47, 66.963, 139.451)

Have a look what the booklet for
CIELCh(47, 66.963, 139.451)
contains.

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Color

CIELCh(47, 66.943, 139.436)

Conversions

Conversions Part 1

Format	Color
Hex	00821C
RGB	0, 130, 28
RGB Percent	0%, 51%, 11%
CMY	1.0000, 0.4906, 0.8906
CMYK	1.00, 0.00, 0.79, 0.49
HSL	133°, 100%, 25%
HSV	133°, 100%, 51%
XYZ	8.1736, 16.0195, 3.7529
YIQ	79.5020, -44.7380, -59.2820

Conversions

Conversions Part 2

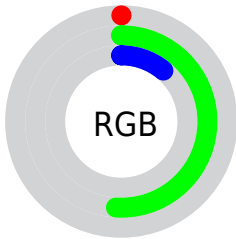
Format	Color
RYB	0, 107, 130
Decimal	33308
CIELab	47.00, -50.86, 43.53
CIELCh	47, 66.943, 139.436
Yxy	16.0195, 0.2925, 0.5732
Android (android.graphics.Color)	4278223388 (0xFF00821C)
YUV	79.5020, -25.3905, -69.7233
Hunter-Lab	40.0243, -33.5899, 22.4576

Details

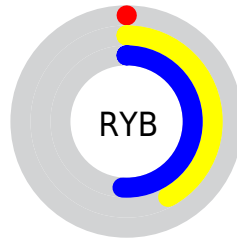
The CIELCh color **47, 66.943, 139.436** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **29, 59.622, 338.679**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 66.765, 139.509**, and **28, 51.215, 136.020** is the 20% darker color. If you saturate the color by 10%, you get **47, 66.928, 139.422**, and if you desaturate by 10%, it is **47, 62.997, 140.906**.

Distribution



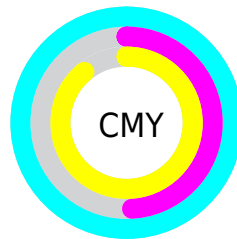
- Red (0%)
- Green (51%)
- Blue (11%)



- Red (0%)
- Yellow (42%)
- Blue (51%)



- Cyan (100%)
- Magenta (0%)
- Yellow (79%)
- Black (49%)



- Cyan (100%)
- Magenta (49%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 66.943, 139.436 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, 66.943, 139.436 by changing the saturation by 10% instead.


 47, 66.943,
139.436

 47, 66.943,
139.436


 100, 66.943,
139.436


 37, 66.943,
139.436

 67, 66.943,
139.436


 27, 66.943,
139.436

 77, 66.943,
139.436

 17, 66.943,
139.436

 87, 66.943,
139.436

 7, 66.943, 139.436

 97, 66.943,
139.436

 0, 66.943, 139.436

 47, 66.943,

 47, 66.943,

139.436

139.436

■ 47, 66.928,
139.422

■ 47, 62.997,
140.906

■ 47, 58.204,
142.535

■ 48, 52.517,
144.084

■ 48, 46.074,
145.504

■ 49, 39.029,
146.771

■ 50, 31.544,
147.885

■ 51, 23.772,
148.856

■ 52, 15.851,
149.701

Harmonies

Complementary

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



47, 66.943, 139.436



29, 59.622, 338.679

Rectangle

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



47, 66.943, 139.436



47, 66.943, 189.436



47, 66.943, 319.436



47, 66.943, 9.436

Sweetspot

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



47, 66.928, 139.422



65, 29.372, 148.794



51, 60.215, 114.387



33, 19.921, 148.466



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, 66.928, 139.422



60, 81.660, 139.008



48, 42.360, 162.553



26, 4.379, 150.509



46, 65.980, 139.457



0, 0.000, 0.000

Inverse Universe

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



29, 59.622, 338.679



38, 71.790, 338.974



26, 52.679, 19.260



25, 4.394, 331.566



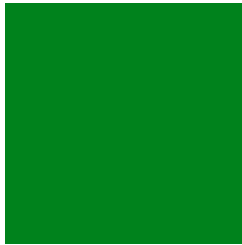
28, 58.842, 338.656



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 47, 66.943, 139.436 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, 66.943, 139.436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

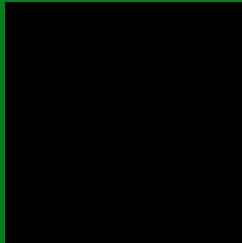
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 66.943, 139.436

Background



This preview shows how black text looks on a background with the CIELCh color 47, 66.943, 139.436.



This preview shows how white text looks on a background with the CIELCh color 47, 66.943, 139.436.

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, 66.943, 139.436

Protanopia

47, 47.198, 95.280

Deuteranopia

47, 41.593, 81.822



Tritanopia
47, 21.593, 213.402

Trichromacy



Original Color
47, 66.943, 139.436



Protanomaly
45, 52.051, 122.977



Deuteranomaly
45, 45.570, 120.058



Tritanomaly
46, 34.951, 165.222

Monochromacy



Original Color
47, 66.943, 139.436



Achromatopsia
34, 0.005, 296.813



Achromatomaly
37, 30.567, 146.853

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 66.943, 139.436 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, 28)` looks like.

```
.text, #text, p{  
    color:rgb(0, 130, 28)  
}
```

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, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 130, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 66.943, 139.436 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, 28) }
```

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

```
.border{ border-color:rgb(0, 130, 28) }
```

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, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 130, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 130, 28);  
box-shadow:4px 4px 4px 4px rgb(0, 130, 28)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 47, 66.943, 139.436 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, 28) }
```

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

```
.background{ background-color: rgb(0, 130,  
28) }
```

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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