

Converting Colors

CIELCh(47, 66.767, 139.753)

Have a look what the booklet for
CIELCh(47, 66.767, 139.753)
contains.

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Color

CIELCh(47, 66.649, 139.624)

Conversions

Conversions Part 1

Format	Color
Hex	00821D
RGB	0, 130, 29
RGB Percent	0%, 51%, 11%
CMY	1.0000, 0.4907, 0.8867
CMYK	1.00, 0.00, 0.78, 0.49
HSL	133°, 100%, 25%
HSV	133°, 100%, 51%
XYZ	8.1827, 16.0195, 3.8151
YIQ	79.6160, -45.0590, -58.9710

Conversions

Conversions Part 2

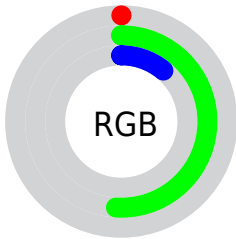
Format	Color
RYB	0, 106, 130
Decimal	33309
CIELab	47.00, -50.77, 43.18
CIELCh	47, 66.649, 139.624
Yxy	16.0195, 0.2921, 0.5718
Android (android.graphics.Color)	4278223389 (0xFF00821D)
YUV	79.6160, -24.9537, -69.8232
Hunter-Lab	40.0243, -33.5496, 22.3655

Details

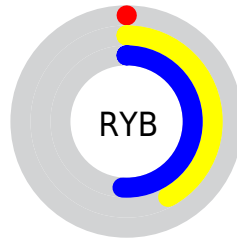
The CIELCh color **47, 66.649, 139.624** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **29, 59.294, 339.141**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 66.371, 139.742**, and **28, 51.215, 136.020** is the 20% darker color. If you saturate the color by 10%, you get **47, 66.631, 139.607**, and if you desaturate by 10%, it is **47, 62.679, 141.119**.

Distribution



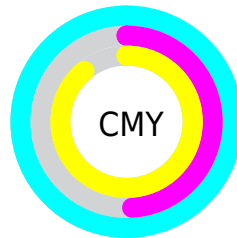
- Red (0%)
- Green (51%)
- Blue (11%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (78%)
- Black (49%)



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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 66.649, 139.624 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, 66.649, 139.624 by changing the saturation by 10% instead.

 47, 66.649,
139.624


 47, 66.649,
139.624


 100, 66.649,
139.624


 37, 66.649,
139.624

 67, 66.649,
139.624


 27, 66.649,
139.624

 77, 66.649,
139.624

 17, 66.649,
139.624

 87, 66.649,
139.624

 7, 66.649, 139.624

 97, 66.649,
139.624

 0, 66.649, 139.624

 47, 66.649,

 47, 66.649,

139.624

139.624

■ 47, 66.631,
139.607

■ 47, 62.679,
141.119

■ 47, 57.889,
142.766

■ 48, 52.221,
144.328

■ 48, 45.809,
145.754

■ 49, 38.804,
147.027

■ 50, 31.362,
148.145

■ 51, 23.636,
149.119

■ 52, 15.760,
149.967

Harmonies

Complementary

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



47, 66.649, 139.624



29, 59.294, 339.141

Rectangle

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



47, 66.649, 139.624



47, 66.649, 189.624



47, 66.649, 319.624



47, 66.649, 9.624

Sweetspot

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



47, 66.631, 139.607



65, 29.206, 149.057



50, 60.443, 115.272



33, 19.809, 148.728



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, 66.631, 139.607



60, 81.320, 139.186



48, 41.494, 163.892



26, 4.355, 150.779



46, 65.693, 139.642



0, 0.000, 0.000

Inverse Universe

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



29, 59.294, 339.141



38, 71.395, 339.452



26, 53.056, 20.742



25, 4.370, 331.842



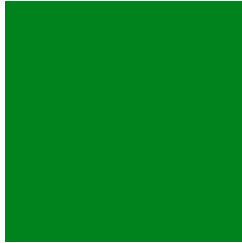
28, 58.524, 339.116



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 47, 66.649, 139.624 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 CIELCh color 47, 66.649, 139.624 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

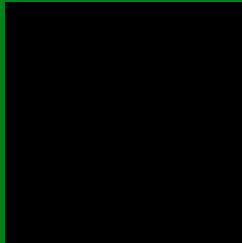
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 66.649, 139.624

Background



This preview shows how black text looks on a background with the CIELCh color 47, 66.649, 139.624.



This preview shows how white text looks on a background with the CIELCh color 47, 66.649, 139.624.

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, 66.649, 139.624

Protanopia

47, 46.854, 95.270

Deuteranopia

47, 41.147, 81.651



Tritanopia
47, 21.593, 213.402

Trichromacy



Original Color
47, 66.649, 139.624



Protanomaly
45, 51.719, 123.136



Deuteranomaly
45, 45.155, 120.249

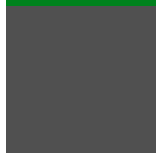


Tritanomaly
46, 34.951, 165.222

Monochromacy



Original Color
47, 66.649, 139.624



Achromatopsia
34, 0.005, 296.813



Achromatomaly
37, 29.865, 147.114

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 66.649, 139.624 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, 29)` looks like.

```
.text, #text, p{  
    color:rgb(0, 130, 29)  
}
```

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, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 130, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 66.649, 139.624 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, 29) }
```

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

```
.border{ border-color:rgb(0, 130, 29) }
```

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, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 130, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 130, 29);  
box-shadow:4px 4px 4px 4px rgb(0, 130, 29)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 47, 66.649, 139.624 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, 29) }
```

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

```
.background{ background-color: rgb(0, 130,  
29) }
```

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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