

Converting Colors

CIELCh(47, 39.820, 138.855)

Have a look what the booklet for
CIELCh(47, 39.820, 138.855)
contains.

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Color

CIELCh(47, 39.334, 139.047)

Conversions

Conversions Part 1

Format	Color
Hex	477B42
RGB	71, 123, 66
RGB Percent	28%, 48%, 26%
CMY	0.7200, 0.5160, 0.7397
CMYK	0.42, 0.00, 0.46, 0.52
HSL	115°, 30%, 37%
HSV	115°, 46%, 48%
XYZ	10.7557, 16.0195, 7.7372
YIQ	100.9540, -12.6950, -28.7510

Conversions

Conversions Part 2

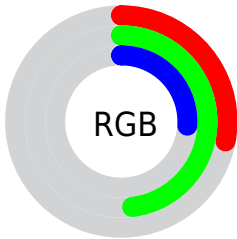
Format	Color
R _Y B	66, 123, 118
Decimal	4684610
CIE Lab	47.00, -29.71, 25.78
CIE LCh	47, 39.334, 139.047
Yxy	16.0195, 0.3116, 0.4642
Android (android.graphics.Color)	4282874690 (0xFF477B42)
YUV	100.9540, -17.2323, -26.2697
Hunter-Lab	40.0243, -22.0744, 16.5555

Details

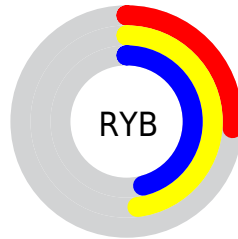
The CIELCh color $47, 39.334, 139.047$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $36, 39.528, 324.145$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 39.419, 139.214$, and $27, 39.464, 139.295$ is the 20% darker color. If you saturate the color by 10%, you get $46, 47.145, 138.195$, and if you desaturate by 10%, it is $48, 31.069, 139.846$.

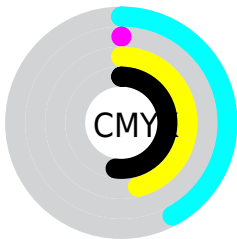
Distribution



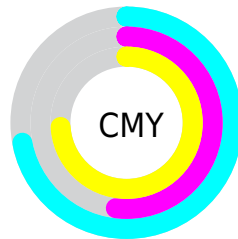
- Red (28%)
- Green (48%)
- Blue (26%)



- Red (26%)
- Yellow (48%)
- Blue (46%)



- Cyan (42%)
- Magenta (0%)
- Yellow (46%)
- Black (52%)





- Cyan (72%)
- Magenta (52%)
- Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 39.334, 139.047 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, 39.334, 139.047 by changing the saturation by 10% instead.


 47, 39.334,
139.047


 47, 39.334,
139.047


 100, 39.334,
139.047


 37, 39.334,
139.047

 67, 39.334,
139.047


 27, 39.334,
139.047

 77, 39.334,
139.047

 17, 39.334,
139.047

 87, 39.334,
139.047

 7, 39.334, 139.047

 97, 39.334,
139.047

 0, 39.334, 139.047

 47, 39.334,

 47, 39.334,

139.047

139.047

■ 46, 47.145,
138.195

■ 48, 31.069,
139.846

■ 46, 54.246,
137.340

■ 49, 22.545,
140.568

■ 45, 60.333,
136.567

■ 50, 13.919,
141.206

■ 45, 65.070,
135.993

■ 51, 5.304, 141.776

■ 45, 68.329,
135.642

■ 52, 3.213, 322.167

■ 45, 69.423,
135.424

■ 54, 11.574,
322.610

■ 55, 19.739,
322.962

■ 57, 27.684,
323.260

■ 58, 35.396,
323.513

Harmonies

Complementary

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



47, 39.334, 139.047



36, 39.528, 324.145

Rectangle

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



47, 39.334, 139.047



47, 39.334, 189.047



47, 39.334, 319.047



47, 39.334, 9.047

Sweetspot

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



47, 39.335, 139.048



64, 14.898, 141.318



49, 29.521, 101.084



33, 10.374, 141.210



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



47, 39.335, 139.048



59, 57.220, 138.185



47, 30.064, 154.382



25, 4.784, 141.618



45, 70.053, 135.432



87, 118.383, 135.718

Inverse Universe

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



36, 39.528, 324.145



44, 57.375, 324.510



36, 30.861, 342.560



24, 4.799, 322.453



27, 68.497, 324.917



56, 115.352, 324.743

Previews

White Background



This preview shows how the CIELCh color 47, 39.334, 139.047 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, 39.334, 139.047 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, 39.334, 139.047

Background



This preview shows how black text looks on a background with the CIELCh color 47, 39.334, 139.047.



This preview shows how white text looks on a background with the CIELCh color 47, 39.334, 139.047.

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, 39.334, 139.047

Protanopia

47, 28.858, 95.886

Deuteranopia

47, 24.665, 75.207



Tritanopia
47, 13.125, 222.335

Trichromacy



Original Color
47, 39.334, 139.047

Protanomaly
47, 30.346, 116.437

Deuteranomaly
46, 24.984, 107.723

Tritanomaly
47, 17.985, 167.795

Monochromacy



Original Color
47, 39.334, 139.047

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 14.912, 140.846

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 39.334, 139.047 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(71, 123, 66)` looks like.

```
.text, #text, p{  
    color:rgb(71, 123, 66)  
}
```

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(71, 123, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 123, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 39.334, 139.047 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(71, 123, 66) }
```

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

```
.border{ border-color:rgb(71, 123, 66) }
```

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

Here you see how a box with a 4 pixel rgb(71, 123, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 123, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 123, 66);  
box-shadow:4px 4px 4px 4px rgb(71, 123,  
66) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 39.334, 139.047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 123, 66) }
```

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

```
.background{ background-color: rgb(71, 123,  
66) }
```

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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