

Converting Colors

CIELCh(47, 39.267, 166.761)

Have a look what the booklet for
CIELCh(47, 39.267, 166.761)
contains.

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Color

CIELCh(47, 39.241, 166.608)

Conversions

Conversions Part 1

Format	Color
Hex	007F5F
RGB	0, 127, 95
RGB Percent	0%, 50%, 37%
CMY	0.9994, 0.5018, 0.6273
CMYK	1.00, 0.00, 0.25, 0.50
HSL	165°, 100%, 25%
HSV	165°, 100%, 50%
XYZ	9.6651, 16.0195, 13.4202
YIQ	85.3790, -65.4200, -36.8760

Conversions

Conversions Part 2

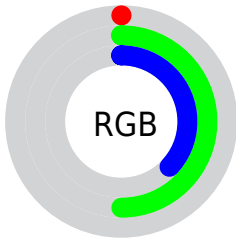
Format	Color
RYB	0, 73, 127
Decimal	32607
CIELab	47.00, -38.17, 9.09
CIELCh	47, 39.241, 166.608
Yxy	16.0195, 0.2472, 0.4097
Android (android.graphics.Color)	4278222687 (0xFF007F5F)
YUV	85.3790, 4.7432, -74.8774
Hunter-Lab	40.0243, -26.9382, 8.1370

Details

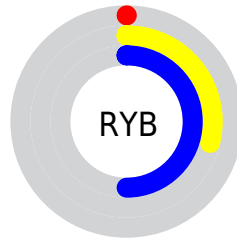
The CIELCh color **47, 39.241, 166.608** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **26, 52.935, 23.249**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 39.558, 166.100**, and **28, 30.854, 159.484** is the 20% darker color. If you saturate the color by 10%, you get **47, 39.264, 166.588**, and if you desaturate by 10%, it is **47, 37.266, 168.401**.

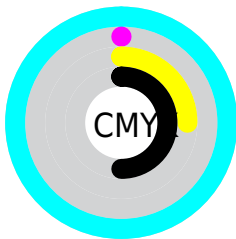
Distribution



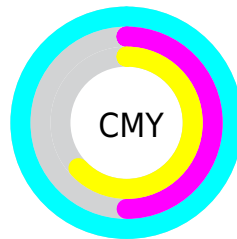
- Red (0%)
- Green (50%)
- Blue (37%)



- Red (0%)
- Yellow (29%)
- Blue (50%)



- Cyan (100%)
- Magenta (0%)
- Yellow (25%)
- Black (50%)



- Cyan (100%)
- Magenta (50%)
- Yellow (63%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 39.241, 166.608 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, 39.241, 166.608 by changing the saturation by 10% instead.

 47, 39.241,
166.608

 47, 39.241,
166.608

 100, 39.241,
166.608

 37, 39.241,
166.608

 67, 39.241,
166.608


 27, 39.241,
166.608

 77, 39.241,
166.608

 17, 39.241,
166.608

 87, 39.241,
166.608

 7, 39.241, 166.608

 97, 39.241,
166.608

 0, 39.241, 166.608

 47, 39.241,

 47, 39.241,

166.608

166.608

■ 47, 39.264,
166.588

■ 47, 37.266,
168.401

■ 47, 34.937,
170.128

■ 48, 32.053,
171.685

■ 48, 28.620,
173.089

■ 49, 24.678,
174.360

■ 49, 20.292,
175.522

■ 50, 15.544,
176.593

■ 51, 10.516,
177.595

Harmonies

Complementary

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



47, 39.241, 166.608



26, 52.935, 23.249

Rectangle

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



47, 39.241, 166.608



47, 39.241, 216.608



47, 39.241, 346.608



47, 39.241, 36.608

Sweetspot

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



47, 39.241, 166.607



64, 19.361, 176.508



46, 68.968, 133.340



33, 13.215, 176.134



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, 39.241, 166.607



60, 48.022, 166.064



38, 26.659, 241.168



26, 3.026, 178.633



47, 39.368, 166.580



0, 0.000, 0.000

Inverse Universe

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



26, 52.935, 23.249



34, 64.934, 24.782



28, 56.864, 44.779



25, 3.117, 0.118



26, 53.120, 23.320



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 47, 39.241, 166.608 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, 39.241, 166.608 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, 39.241, 166.608

Background



This preview shows how black text looks on a background with the CIELCh color 47, 39.241, 166.608.



This preview shows how white text looks on a background with the CIELCh color 47, 39.241, 166.608.

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, 39.241, 166.608

Protanopia

47, 14.447, 95.836

Deuteranopia

47, 9.502, 49.823



Tritanopia
47, 24.197, 211.383

Trichromacy



Original Color
47, 39.241, 166.608

Protanomaly
46, 23.362, 153.724

Deuteranomaly
45, 16.659, 162.619

Tritanomaly
47, 28.326, 190.385

Monochromacy



Original Color
47, 39.241, 166.608

Achromatopsia
36, 0.005, 296.813

Achromatomaly
39, 18.789, 175.964

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 39.241, 166.608 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, 127, 95)` looks like.

```
.text, #text, p{  
    color:rgb(0, 127, 95)  
}
```

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, 127, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 127, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 39.241, 166.608 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, 127, 95) }
```

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

```
.border{ border-color:rgb(0, 127, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 127, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 127, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 127, 95);  
box-shadow:4px 4px 4px 4px rgb(0, 127, 95)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 47, 39.241, 166.608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 127, 95) }
```

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

```
.background{ background-color: rgb(0, 127,  
95) }
```

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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