

Converting Colors

CIELCh(47, 30.887, 109.931)

Have a look what the booklet for
CIELCh(47, 30.887, 109.931)
contains.

CIELCh(47, 30.979, 109.334)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(47, 30.979, 109.334)

Conversions

Conversions Part 1

Format	Color
Hex	6F733D
RGB	111, 115, 61
RGB Percent	44%, 45%, 24%
CMY	0.5642, 0.5485, 0.7603
CMYK	0.03, 0.00, 0.47, 0.55
HSL	64°, 31%, 35%
HSV	64°, 47%, 45%
XYZ	13.5651, 16.0195, 6.8100
YIQ	107.6480, 14.9500, -17.6420

Conversions

Conversions Part 2

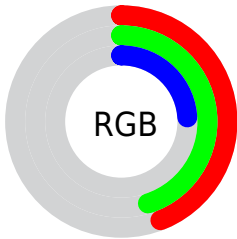
Format	Color
RYB	61, 115, 65
Decimal	7303997
CIELab	47.00, -10.26, 29.23
CIElCh	47, 30.979, 109.334
Yxy	16.0195, 0.3727, 0.4402
Android (android.graphics.Color)	4285494077 (0xFF6F733D)
YUV	107.6480, -22.9975, 2.9397
Hunter-Lab	40.0243, -9.5450, 17.9290

Details

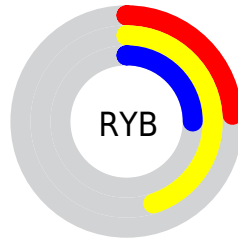
The CIELCh color $47, 30.979, 109.334$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $29, 34.836, 298.449$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 30.908, 109.283$, and $27, 30.997, 108.867$ is the 20% darker color. If you saturate the color by 10%, you get $47, 36.976, 108.629$, and if you desaturate by 10%, it is $47, 24.642, 110.106$.

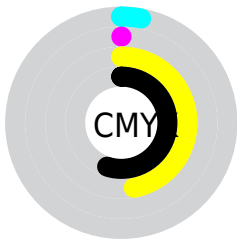
Distribution



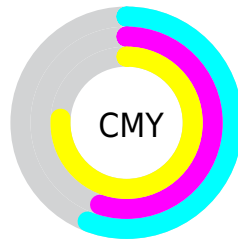
- Red (44%)
- Green (45%)
- Blue (24%)



- Red (24%)
- Yellow (45%)
- Blue (25%)



- Cyan (3%)
- Magenta (0%)
- Yellow (47%)
- Black (55%)





- Cyan (56%)
- Magenta (55%)
- Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 30.979, 109.334 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, 30.979, 109.334 by changing the saturation by 10% instead.


 47, 30.979,
109.334


 47, 30.979,
109.334


 100, 30.979,
109.334

 37, 30.979,
109.334

 67, 30.979,
109.334


 27, 30.979,
109.334

 77, 30.979,
109.334

 17, 30.979,
109.334

 87, 30.979,
109.334

 7, 30.979, 109.334

 97, 30.979,
109.334

 0, 30.979, 109.334

 47, 30.979,

 47, 30.979,

109.334

109.334

■ 47, 36.976,
108.629

■ 47, 24.642,
110.106

■ 47, 42.443,
108.023

■ 48, 18.093,
110.910

■ 46, 47.128,
107.564

■ 48, 11.417,
111.724

■ 46, 50.741,
107.306

■ 48, 4.673, 112.534

■ 46, 53.297,
107.242

■ 49, 2.102, 293.347

■ 49, 8.880, 294.112

■ 46, 54.085,
107.219

■ 50, 15.644,
294.855

■ 50, 22.378,
295.566

■ 51, 29.073,

Harmonies

Complementary

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



47, 30.979, 109.334



29, 34.836, 298.449

Rectangle

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



47, 30.979, 109.334



47, 30.979, 159.334



47, 30.979, 289.334



47, 30.979, 339.334

Sweetspot

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



47, 30.980, 109.337



62, 11.777, 111.931



33, 24.420, 28.663



32, 8.190, 111.789



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



47, 30.980, 109.337



60, 45.250, 108.593



45, 33.992, 129.294



24, 3.865, 112.362



49, 56.507, 107.247



94, 95.839, 107.487

Inverse Universe

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



29, 34.836, 298.449



33, 52.768, 300.158



31, 35.880, 313.422



22, 3.944, 293.865



12, 77.282, 306.644



32, 131.422, 306.454

Previews

White Background



This preview shows how the CIELCh color 47, 30.979, 109.334 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, 30.979, 109.334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

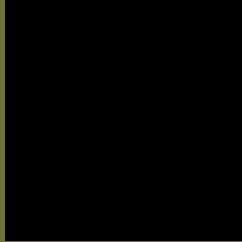
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 30.979, 109.334

Background



This preview shows how black text looks on a background with the CIELCh color 47, 30.979, 109.334.



This preview shows how white text looks on a background with the CIELCh color 47, 30.979, 109.334.

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, 30.979, 109.334

Protanopia

47, 30.034, 95.184

Deuteranopia

47, 29.249, 77.427



Tritanopia
47, 5.761, 324.768

Trichromacy



Original Color
47, 30.979, 109.334

Protanomaly
47, 30.597, 100.668

Deuteranomaly
47, 28.726, 89.094

Tritanomaly
47, 8.421, 97.294

Monochromacy



Original Color
47, 30.979, 109.334

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 11.818, 112.721

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 30.979, 109.334 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(111, 115, 61)` looks like.

```
.text, #text, p{  
    color:rgb(111, 115, 61)  
}
```

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(111, 115, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 115, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 30.979, 109.334 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(111, 115, 61) }
```

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

```
.border{ border-color:rgb(111, 115, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 115, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 115, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 115, 61);  
box-shadow:4px 4px 4px 4px rgb(111, 115,  
61) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 30.979, 109.334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 115, 61) }
```

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

```
.background{ background-color: rgb(111,  
115, 61) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor