

Converting Colors

CIELCh(47, 33.605, 141.716)

Have a look what the booklet for
CIELCh(47, 33.605, 141.716)
contains.

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Color

CIELCh(47, 33.605, 141.716)

Conversions

Conversions Part 1

Format	Color
Hex	4B7A4B
RGB	75, 122, 75
RGB Percent	29%, 48%, 29%
CMY	0.7047, 0.5203, 0.7047
CMYK	0.38, 0.00, 0.38, 0.52
HSL	120°, 24%, 39%
HSV	120°, 38%, 48%
XYZ	11.2060, 16.0195, 9.2121
YIQ	102.5890, -12.9250, -24.5810

Conversions

Conversions Part 2

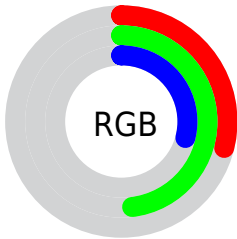
Format	Color
RYB	75, 122, 122
Decimal	4946507
CIELab	47.00, -26.38, 20.82
CIELCh	47, 33.605, 141.716
Yxy	16.0195, 0.3075, 0.4396
Android (android.graphics.Color)	4283136587 (0xFF4B7A4B)
YUV	102.5890, -13.6014, -24.1956
Hunter-Lab	40.0243, -20.0663, 14.3707

Details

The CIELCh color **47, 33.605, 141.716** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **39, 33.563, 326.405**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 33.859, 141.517**, and **27, 33.652, 141.663** is the 20% darker color. If you saturate the color by 10%, you get **46, 41.884, 140.744**, and if you desaturate by 10%, it is **48, 24.977, 142.580**.

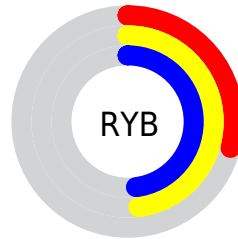
Distribution



Red (29%)

Green (48%)

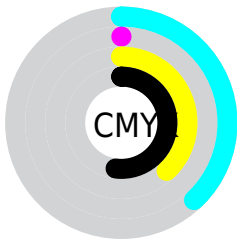
Blue (29%)



Red (29%)

Yellow (48%)

Blue (48%)

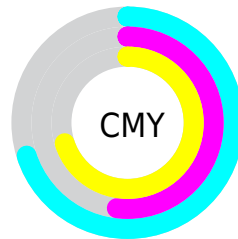


Cyan (38%)

Magenta (0%)

Yellow (38%)

Black (52%)



Cyan (70%)


Magenta (52%)


Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 33.605, 141.716 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, 33.605, 141.716 by changing the saturation by 10% instead.


 47, 33.605,
141.716


 47, 33.605,
141.716


 100, 33.605,
141.716


 37, 33.605,
141.716

 67, 33.605,
141.716


 27, 33.605,
141.716

 77, 33.605,
141.716

 17, 33.605,
141.716

 87, 33.605,
141.716

 7, 33.605, 141.716

 97, 33.605,
141.716

 0, 33.605, 141.716

 47, 33.605,

 47, 33.605,

141.716

141.716

■ 46, 41.884,
140.744

■ 48, 24.977,
142.580

■ 46, 49.579,
139.687

■ 49, 16.184,
143.333

■ 45, 56.412,
138.598

■ 50, 7.371, 143.990

■ 45, 62.063,
137.573

■ 52, 1.357, 324.382

■ 53, 9.922, 324.963

■ 44, 66.216,
136.738

■ 55, 18.275,
325.369

■ 44, 69.093,
136.115

■ 56, 26.386,
325.710

■ 44, 69.544,
136.014

■ 58, 34.239,
326.001

■ 60, 41.830,

Harmonies

Complementary

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



47, 33.605, 141.716



39, 33.563, 326.405

Rectangle

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



47, 33.605, 141.716



47, 33.605, 191.716



47, 33.605, 321.716



47, 33.605, 11.716

Sweetspot

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



47, 33.606, 141.716



63, 12.957, 143.747



50, 26.475, 105.912



32, 8.551, 143.684



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



47, 33.606, 141.716



59, 49.157, 140.881



47, 23.406, 159.237



25, 4.922, 143.951



45, 70.613, 136.014



87, 118.868, 136.015

Inverse Universe

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



39, 33.563, 326.405



47, 48.986, 326.807



38, 24.371, 346.268



24, 4.930, 324.887



29, 68.132, 328.222



60, 114.691, 328.222

Previews

White Background



This preview shows how the CIELCh color 47, 33.605, 141.716 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, 33.605, 141.716 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, 33.605, 141.716

Background



This preview shows how black text looks on a background with the CIELCh color 47, 33.605, 141.716.



This preview shows how white text looks on a background with the CIELCh color 47, 33.605, 141.716.

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, 33.605, 141.716

Protanopia

47, 23.803, 95.741

Deuteranopia

47, 20.105, 71.554



Tritanopia
47, 12.461, 226.919

Trichromacy



Original Color
47, 33.605, 141.716

Protanomaly
47, 24.861, 118.225

Deuteranomaly
46, 19.881, 108.689

Tritanomaly
47, 15.498, 175.135

Monochromacy



Original Color
47, 33.605, 141.716

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 12.416, 143.557

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 33.605, 141.716 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(75, 122, 75)` looks like.

```
.text, #text, p{  
    color:rgb(75, 122, 75)  
}
```

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(75, 122, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 122, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 33.605, 141.716 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(75, 122, 75) }
```

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

```
.border{ border-color:rgb(75, 122, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 122, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 122, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 122, 75);  
box-shadow:4px 4px 4px 4px rgb(75, 122,  
75) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 33.605, 141.716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 122, 75) }
```

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

```
.background{ background-color: rgb(75, 122,  
75) }
```

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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