

Converting Colors

CIELCh(47, 41.026, 140.919)

Have a look what the booklet for
CIELCh(47, 41.026, 140.919)
contains.

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Color

CIELCh(47, 40.991, 140.912)

Conversions

Conversions Part 1

Format	Color
Hex	427C42
RGB	66, 124, 66
RGB Percent	26%, 49%, 26%
CMY	0.7405, 0.5130, 0.7405
CMYK	0.47, 0.00, 0.47, 0.51
HSL	120°, 30%, 37%
HSV	120°, 47%, 49%
XYZ	10.4767, 16.0195, 7.7192
YIQ	100.0460, -15.9500, -30.3340

Conversions

Conversions Part 2

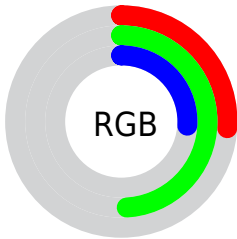
Format	Color
R_{YB}	66, 124, 124
Decimal	4357186
CIE _{Lab}	47.00, -31.82, 25.85
CIE _{LCh}	47, 40.991, 140.912
Yxy	16.0195, 0.3062, 0.4682
Android (android.graphics.Color)	4282547266 (0xFF427C42)
YUV	100.0460, -16.7847, -29.8583
Hunter-Lab	40.0243, -23.3186, 16.5822

Details

The CIELCh color $47, 40.991, 140.912$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $37, 40.853, 326.795$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 40.861, 140.811$, and $27, 40.622, 141.213$ is the 20% darker color. If you saturate the color by 10%, you get $46, 48.897, 139.864$, and if you desaturate by 10%, it is $48, 32.537, 141.869$.

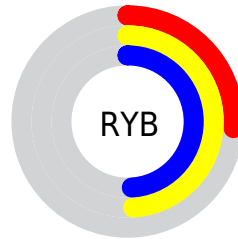
Distribution



Red (26%)

Green (49%)

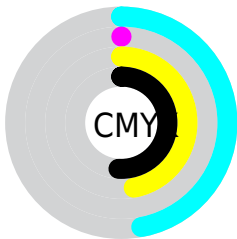
Blue (26%)



Red (26%)

Yellow (49%)

Blue (49%)

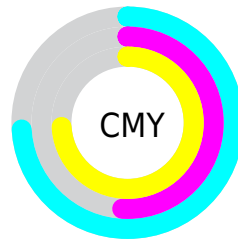


Cyan (47%)

Magenta (0%)

Yellow (47%)

Black (51%)



Cyan (74%)


Magenta (51%)


Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 40.991, 140.912 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, 40.991, 140.912 by changing the saturation by 10% instead.


 47, 40.991,
140.912

 47, 40.991,
140.912


 100, 40.991,
140.912

 37, 40.991,
140.912

 67, 40.991,
140.912


 27, 40.991,
140.912

 77, 40.991,
140.912

 17, 40.991,
140.912

 87, 40.991,
140.912

 7, 40.991, 140.912

 97, 40.991,
140.912

 0, 40.991, 140.912

 47, 40.991,

 47, 40.991,

140.912

■ 46, 48.897,
139.864

■ 46, 55.978,
138.774

■ 45, 61.915,
137.728

■ 45, 66.381,
136.853

■ 45, 69.363,
136.221

■ 45, 70.300,
136.014

140.912

■ 48, 32.537,
141.869

■ 49, 23.762,
142.715

■ 50, 14.847,
143.452

■ 51, 5.932, 144.097

■ 53, 2.880, 324.538

■ 54, 11.518,
325.041

■ 56, 19.934,
325.434

■ 57, 28.100,
325.766

■ 59, 36.003,
326.050

Harmonies

Complementary

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



47, 40.991, 140.912



37, 40.853, 326.795

Rectangle

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



47, 40.991, 140.912



47, 40.991, 190.912



47, 40.991, 320.912



47, 40.991, 10.912

Sweetspot

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



47, 40.992, 140.912



64, 15.331, 143.613



51, 32.284, 105.159



33, 10.675, 143.491



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, 40.992, 140.912



59, 59.518, 139.799



48, 28.491, 158.241



25, 4.922, 143.952



45, 70.613, 136.014



87, 118.868, 136.015

Inverse Universe

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



37, 40.853, 326.795



45, 59.058, 327.240



36, 29.839, 347.272



24, 4.930, 324.888



29, 68.132, 328.224



60, 114.691, 328.223

Previews

White Background



This preview shows how the CIELCh color 47, 40.991, 140.912 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, 40.991, 140.912 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, 40.991, 140.912

Background



This preview shows how black text looks on a background with the CIELCh color 47, 40.991, 140.912.



This preview shows how white text looks on a background with the CIELCh color 47, 40.991, 140.912.

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, 40.991, 140.912

Protanopia

47, 29.399, 95.983

Deuteranopia

47, 24.665, 75.207



Tritanopia
47, 14.431, 222.527

Trichromacy



Original Color
47, 40.991, 140.912

Protanomaly
47, 31.064, 117.812

Deuteranomaly
46, 25.578, 110.703

Tritanomaly
47, 19.738, 170.447

Monochromacy



Original Color
47, 40.991, 140.912

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 15.382, 143.298

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 40.991, 140.912 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(66, 124, 66)` looks like.

```
.text, #text, p{  
    color:rgb(66, 124, 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(66, 124, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 124, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 40.991, 140.912 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(66, 124, 66) }
```

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

```
.border{ border-color:rgb(66, 124, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 124, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 124, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 124, 66);  
box-shadow:4px 4px 4px 4px rgb(66, 124,  
66) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 40.991, 140.912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 124, 66) }
```

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

```
.background{ background-color: rgb(66, 124,  
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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