

Converting Colors

CIELCh(47, 50.498, 126.897)

Have a look what the booklet for
CIELCh(47, 50.498, 126.897)
contains.

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Color

CIELCh(47, 50.183, 126.937)

Conversions

Conversions Part 1

Format	Color
Hex	4F7B26
RGB	79, 123, 38
RGB Percent	31%, 48%, 15%
CMY	0.6895, 0.5170, 0.8503
CMYK	0.36, 0.00, 0.69, 0.52
HSL	91°, 53%, 32%
HSV	91°, 69%, 48%
XYZ	10.6958, 16.0195, 4.3765
YIQ	100.1540, 1.0610, -35.7630

Conversions

Conversions Part 2

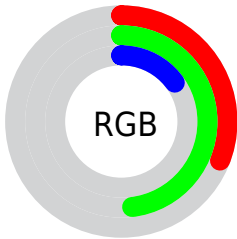
Format	Color
R_{YB}	38, 123, 82
Decimal	5208870
CIE _{Lab}	47.00, -30.16, 40.11
CIE _{LCh}	47, 50.183, 126.937
Yxy	16.0195, 0.3440, 0.5152
Android (android.graphics.Color)	4283398950 (0xFF4F7B26)
YUV	100.1540, -30.6419, -18.5521
Hunter-Lab	40.0243, -22.3416, 21.5339

Details

The CIELCh color $47, 50.183, 126.937$ is a dark color, and the websafe version is hex 336600 . A complement of this color would be $26, 55.182, 312.820$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 50.208, 127.187$, and $27, 45.444, 130.021$ is the 20% darker color. If you saturate the color by 10%, you get $47, 55.660, 126.971$, and if you desaturate by 10%, it is $47, 43.850, 127.151$.

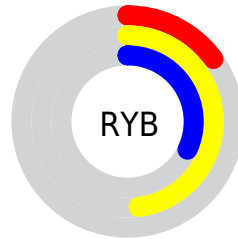
Distribution



Red (31%)

Green (48%)

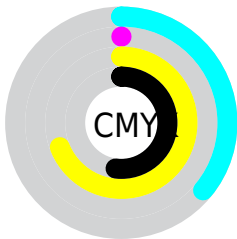
Blue (15%)



Red (15%)

Yellow (48%)

Blue (32%)

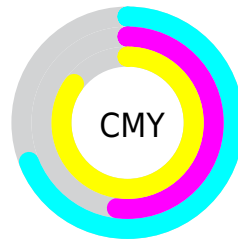


Cyan (36%)

Magenta (0%)

Yellow (69%)

Black (52%)



Cyan (69%)


Magenta (52%)


Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 50.183, 126.937 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, 50.183, 126.937 by changing the saturation by 10% instead.


 47, 50.183,
126.937

 47, 50.183,
126.937


 100, 50.183,
126.937


 37, 50.183,
126.937

 67, 50.183,
126.937


 27, 50.183,
126.937

 77, 50.183,
126.937

 17, 50.183,
126.937

 87, 50.183,
126.937

 7, 50.183, 126.937

 97, 50.183,
126.937

 0, 50.183, 126.937

 47, 50.183,

 47, 50.183,

126.937

126.937

■ 47, 55.660,
126.971

■ 47, 43.850,
127.151

■ 46, 59.977,
127.362

■ 48, 36.936,
127.511

■ 46, 63.322,
127.997

■ 49, 29.651,
127.946

■ 46, 63.656,
128.045

■ 49, 22.147,
128.409

■ 50, 14.531,
128.872

■ 51, 6.877, 129.321

■ 52, 0.761, 309.609

■ 53, 8.345, 310.094

■ 54, 15.847,

Harmonies

Complementary

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



47, 50.183, 126.937



26, 55.182, 312.820

Rectangle

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



47, 50.183, 126.937



47, 50.183, 176.937



47, 50.183, 306.937



47, 50.183, 356.937

Sweetspot

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



47, 50.183, 126.938



64, 19.948, 128.757



39, 34.438, 68.594



33, 13.604, 128.653



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, 50.183, 126.938



60, 70.863, 127.156



45, 56.555, 138.908



25, 4.277, 129.319



46, 64.329, 128.069



89, 109.220, 128.929

Inverse Universe

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



26, 55.182, 312.820



29, 79.437, 313.015



32, 55.618, 328.177



24, 4.330, 310.051



18, 73.038, 312.685



41, 123.614, 312.089

Previews

White Background



This preview shows how the CIELCh color 47, 50.183, 126.937 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, 50.183, 126.937 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

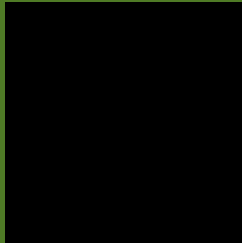
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 50.183, 126.937

Background



This preview shows how black text looks on a background with the CIELCh color 47, 50.183, 126.937.



This preview shows how white text looks on a background with the CIELCh color 47, 50.183, 126.937.

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, 50.183, 126.937

Protanopia

47, 42.456, 95.724

Deuteranopia

47, 39.091, 81.531



Tritanopia
47, 10.206, 230.246

Trichromacy



Original Color
47, 50.183, 126.937

Protanomaly
46, 43.345, 108.644

Deuteranomaly
46, 39.244, 101.187

Tritanomaly
47, 19.553, 148.486

Monochromacy



Original Color
47, 50.183, 126.937

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 19.120, 129.034

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 50.183, 126.937 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(79, 123, 38)` looks like.

```
.text, #text, p{  
    color:rgb(79, 123, 38)  
}
```

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(79, 123, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 123, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 50.183, 126.937 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(79, 123, 38) }
```

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

```
.border{ border-color:rgb(79, 123, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 123, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 123, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 123, 38);  
box-shadow:4px 4px 4px 4px rgb(79, 123,  
38) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 50.183, 126.937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 123, 38) }
```

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

```
.background{ background-color: rgb(79, 123,  
38) }
```

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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