

Converting Colors

CIELCh(47, 51.080, 107.879)

Have a look what the booklet for
CIELCh(47, 51.080, 107.879)
contains.

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Color

CIELCh(47, 50.947, 107.643)

Conversions

Conversions Part 1

Format	Color
Hex	6D7511
RGB	109, 117, 17
RGB Percent	43%, 46%, 7%
CMY	0.5725, 0.5411, 0.9332
CMYK	0.07, 0.00, 0.85, 0.54
HSL	65°, 75%, 26%
HSV	65°, 85%, 46%
XYZ	12.7735, 16.0195, 2.9502
YIQ	103.2080, 27.3320, -32.7960

Conversions

Conversions Part 2

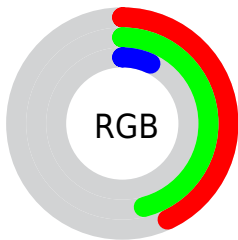
Format	Color
R _Y B	17, 117, 25
Decimal	7173393
CIE Lab	47.00, -15.44, 48.55
CIE LCh	47, 50.947, 107.643
Yxy	16.0195, 0.4024, 0.5047
Android (android.graphics.Color)	4285363473 (0xFF6D7511)
YUV	103.2080, -42.5005, 5.0796
Hunter-Lab	40.0243, -13.0754, 23.6468

Details

The CIELCh color $47, 50.947, 107.643$ is a dark color, and the websafe version is hex 666600 . A complement of this color would be $15, 66.298, 304.883$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 51.205, 107.810$, and $27, 38.209, 111.554$ is the 20% darker color. If you saturate the color by 10%, you get $47, 53.598, 107.593$, and if you desaturate by 10%, it is $47, 47.121, 107.917$.

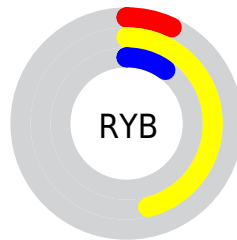
Distribution



Red (43%)

Green (46%)

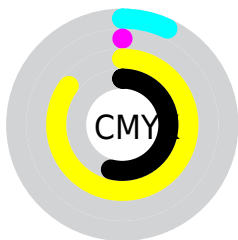
Blue (7%)



Red (7%)

Yellow (46%)

Blue (10%)

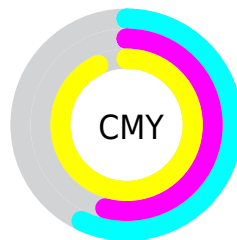


Cyan (7%)

Magenta (0%)

Yellow (85%)

Black (54%)



Cyan (57%)


Magenta (54%)


Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 50.947, 107.643 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, 50.947, 107.643 by changing the saturation by 10% instead.


 47, 50.947,
107.643

 47, 50.947,
107.643


 100, 50.947,
107.643


 37, 50.947,
107.643

 67, 50.947,
107.643


 27, 50.947,
107.643

 77, 50.947,
107.643

 17, 50.947,
107.643

 87, 50.947,
107.643

 7, 50.947, 107.643

 97, 50.947,
107.643

 0, 50.947, 107.643

 47, 50.947,

 47, 50.947,

107.643

■ 47, 53.598,
107.593

■ 47, 54.747,
107.574

107.643

■ 47, 47.121,
107.917

■ 47, 42.247,
108.387

■ 48, 36.617,
109.001

■ 48, 30.481,
109.712

■ 48, 24.019,
110.481

■ 48, 17.357,
111.280

■ 49, 10.577,
112.089

■ 49, 3.734, 112.888

Harmonies

Complementary

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



47, 50.947, 107.643



15, 66.298, 304.883

Rectangle

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



47, 50.947, 107.643



47, 50.947, 157.643



47, 50.947, 287.643



47, 50.947, 337.643

Sweetspot

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



47, 50.947, 107.645



62, 22.075, 111.181



25, 49.204, 36.530



32, 14.852, 110.967



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, 50.947, 107.645



60, 66.488, 107.694



44, 57.123, 128.719



24, 3.866, 112.604



49, 56.540, 107.596



94, 95.902, 107.854

Inverse Universe

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



15, 66.298, 304.883



17, 90.946, 306.587



21, 62.753, 314.315



22, 3.945, 294.090



12, 77.247, 306.673



32, 131.382, 306.473

Previews

White Background



This preview shows how the CIELCh color 47, 50.947, 107.643 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, 50.947, 107.643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

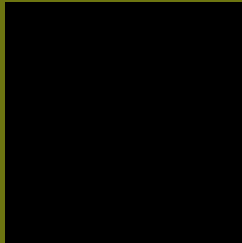
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 50.947, 107.643

Background



This preview shows how black text looks on a background with the CIELCh color 47, 50.947, 107.643.



This preview shows how white text looks on a background with the CIELCh color 47, 50.947, 107.643.

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, 50.947, 107.643

Protanopia

47, 49.981, 95.398

Deuteranopia

47, 47.434, 83.065



Tritanopia
47, 5.761, 324.768

Trichromacy



Original Color
47, 50.947, 107.643

Protanomaly
47, 50.021, 99.965

Deuteranomaly
47, 47.629, 92.294

Tritanomaly
47, 18.169, 104.828

Monochromacy



Original Color
47, 50.947, 107.643

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 21.189, 110.816

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 50.947, 107.643 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(109, 117, 17)` looks like.

```
.text, #text, p{  
    color:rgb(109, 117, 17)  
}
```

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(109, 117, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 117, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 50.947, 107.643 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(109, 117, 17) }
```

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

```
.border{ border-color:rgb(109, 117, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 117, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 117, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 117, 17);  
box-shadow:4px 4px 4px 4px rgb(109, 117,  
17) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 50.947, 107.643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 117, 17) }
```

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

```
.background{ background-color: rgb(109,  
117, 17) }
```

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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