

Converting Colors

CIELCh(47, 53.841, 101.815)

Have a look what the booklet for
CIELCh(47, 53.841, 101.815)
contains.

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Color

CIELCh(47, 53.841, 101.815)

Conversions

Conversions Part 1

Format	Color
Hex	757300
RGB	117, 115, 0
RGB Percent	46%, 45%, 0%
CMY	0.5415, 0.5493, 1.0000
CMYK	0.00, 0.02, 1.00, 0.54
HSL	59°, 100%, 23%
HSV	59°, 100%, 46%
XYZ	13.4459, 16.0195, 2.3800
YIQ	102.4880, 38.1070, -35.3410

Conversions

Conversions Part 2

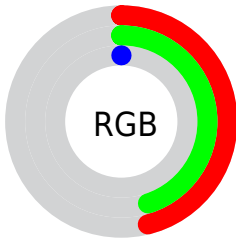
Format	Color
R_YB	2, 117, 0
Decimal	7697152
CIE Lab	47.00, -11.02, 52.70
CIE LCh	47, 53.841, 101.815
Yxy	16.0195, 0.4222, 0.5030
Android (android.graphics.Color)	4285887232 (0xFF757300)
YUV	102.4880, -50.5266, 12.7270
Hunter-Lab	40.0243, -10.0767, 24.4914

Details

The CIELCh color **47, 53.841, 101.815** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **11, 74.260, 305.935**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 53.872, 102.158**, and **27, 36.926, 104.577** is the 20% darker color. If you saturate the color by 10%, you get **47, 53.816, 101.820**, and if you desaturate by 10%, it is **47, 51.403, 102.201**.

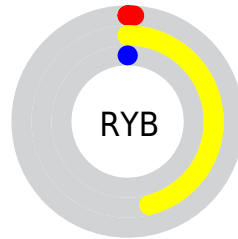
Distribution



Red (46%)

Green (45%)

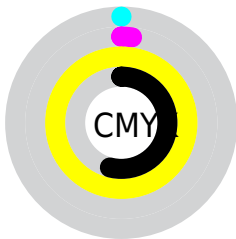
Blue (0%)



Red (1%)

Yellow (46%)

Blue (0%)

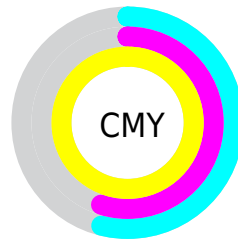


Cyan (0%)

Magenta (2%)

Yellow (100%)

Black (54%)



Cyan (54%)


Magenta (55%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 53.841, 101.815 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, 53.841, 101.815 by changing the saturation by 10% instead.


 47, 53.841,
101.815


 47, 53.841,
101.815


 100, 53.841,
101.815


 37, 53.841,
101.815

 67, 53.841,
101.815


 27, 53.841,
101.815

 77, 53.841,
101.815

 17, 53.841,
101.815

 87, 53.841,
101.815

 7, 53.841, 101.815

 97, 53.841,
101.815

 0, 53.841, 101.815

 47, 53.841,

 47, 53.841,

101.815

■ 47, 53.816,
101.820

101.815

■ 47, 51.403,
102.201

■ 47, 48.212,
102.679

■ 47, 43.841,
103.305

■ 48, 38.590,
104.051

■ 48, 32.739,
104.882

■ 48, 26.502,
105.771

■ 48, 20.026,
106.693

■ 48, 13.411,
107.630

Harmonies

Complementary

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



47, 53.841, 101.815



11, 74.260, 305.935

Rectangle

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



47, 53.841, 101.815



47, 53.841, 151.815



47, 53.841, 281.815



47, 53.841, 331.815

Sweetspot

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



47, 53.816, 101.820



62, 24.951, 106.621



23, 55.922, 36.229



32, 16.885, 106.315



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, 53.816, 101.820



61, 65.365, 101.793



44, 60.291, 126.230



25, 3.792, 108.653



49, 55.609, 101.815



94, 94.216, 101.756

Inverse Universe

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



11, 74.260, 305.935



17, 90.536, 306.030



16, 70.329, 311.620



22, 3.868, 290.393



12, 76.788, 305.953



32, 131.108, 306.147

Previews

White Background



This preview shows how the CIELCh color 47, 53.841, 101.815 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, 53.841, 101.815 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, 53.841, 101.815

Background



This preview shows how black text looks on a background with the CIELCh color 47, 53.841, 101.815.

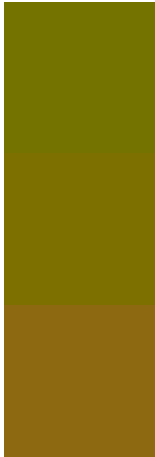


This preview shows how white text looks on a background with the CIELCh color 47, 53.841, 101.815.

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, 53.841, 101.815

Protanopia
47, 53.311, 95.422

Deuteranopia
47, 50.170, 83.196



Tritanopia
47, 8.426, 346.381

Trichromacy



Original Color
47, 53.841, 101.815

Protanomaly
47, 53.402, 97.578

Deuteranomaly
47, 50.784, 90.245

Tritanomaly
47, 22.264, 94.006

Monochromacy



Original Color
47, 53.841, 101.815

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 24.582, 106.617

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 53.841, 101.815 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(117, 115, 0)` looks like.

```
.text, #text, p{  
    color:rgb(117, 115, 0)  
}
```

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(117, 115, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 115, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 53.841, 101.815 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(117, 115, 0) }
```

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

```
.border{ border-color:rgb(117, 115, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 115, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 115, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 115, 0);  
box-shadow:4px 4px 4px 4px rgb(117, 115,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 53.841, 101.815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 115, 0) }
```

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

```
.background{ background-color: rgb(117,  
115, 0) }
```

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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