

Converting Colors

CIELCh(47, 18.690, 102.728)

Have a look what the booklet for
CIELCh(47, 18.690, 102.728)
contains.

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Color

CIELCh(47, 18.744, 103.482)

Conversions

Conversions Part 1

Format	Color
Hex	747151
RGB	116, 113, 81
RGB Percent	45%, 44%, 32%
CMY	0.5464, 0.5581, 0.6835
CMYK	0.00, 0.03, 0.30, 0.55
HSL	55°, 18%, 39%
HSV	55°, 30%, 45%
XYZ	14.5027, 16.0195, 10.0526
YIQ	110.2490, 12.0600, -9.3160

Conversions

Conversions Part 2

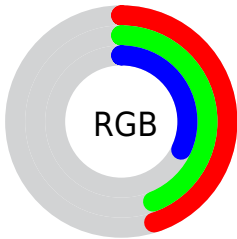
Format	Color
RYB	84, 116, 81
Decimal	7631185
CIELab	47.00, -4.37, 18.23
CIELCh	47, 18.744, 103.482
Yxy	16.0195, 0.3574, 0.3948
Android (android.graphics.Color)	4285821265 (0xFF747151)
YUV	110.2490, -14.4198, 5.0436
Hunter-Lab	40.0243, -5.3636, 13.1256

Details

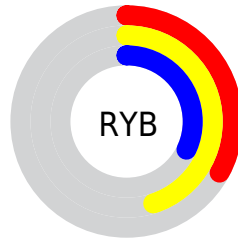
The CIELCh color $47, 18.744, 103.482$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $37, 19.834, 290.201$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 18.647, 104.453$, and $27, 18.473, 103.273$ is the 20% darker color. If you saturate the color by 10%, you get $47, 24.817, 102.479$, and if you desaturate by 10%, it is $48, 12.575, 104.493$.

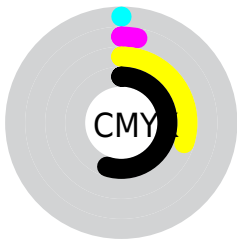
Distribution



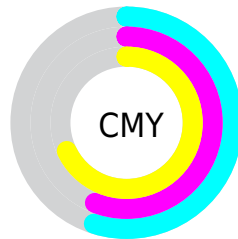
- Red (45%)
- Green (44%)
- Blue (32%)



- Red (33%)
- Yellow (45%)
- Blue (32%)



- Cyan (0%)
- Magenta (3%)
- Yellow (30%)
- Black (55%)



- Cyan (55%)
- Magenta (56%)
- Yellow (68%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 18.744, 103.482 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, 18.744, 103.482 by changing the saturation by 10% instead.

 47, 18.744,
103.482


 47, 18.744,
103.482

 100, 18.744,
103.482


 37, 18.744,
103.482

 67, 18.744,
103.482


 27, 18.744,
103.482

 77, 18.744,
103.482


 17, 18.744,
103.482


 87, 18.744,
103.482

 7, 18.744, 103.482

 97, 18.744,
103.482

 0, 18.744, 103.482

 47, 18.744,

 47, 18.744,

103.482

103.482

■ 47, 24.817,
102.479

■ 48, 12.575,
104.493

■ 46, 30.706,
101.485

■ 48, 6.363, 105.486

■ 46, 36.273,
100.523

■ 49, 0.142, 106.003

■ 49, 6.067, 287.435

■ 45, 41.315, 99.610

■ 50, 12.249,
288.347

■ 45, 45.548, 98.767

■ 44, 48.641, 98.007

■ 51, 18.397,
289.226

■ 44, 50.984, 97.322

■ 51, 24.504,
290.066

■ 52, 30.567,
290.867

■ 53, 36.582,

291.626

Harmonies

Complementary

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



47, 18.744, 103.482



37, 19.834, 290.201

Rectangle

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



47, 18.744, 103.482



47, 18.744, 153.482



47, 18.744, 283.482



47, 18.744, 333.482

Sweetspot

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



47, 18.745, 103.486



62, 6.937, 105.584



38, 15.688, 14.064



32, 4.858, 105.468



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, 18.745, 103.486



60, 27.595, 102.812



47, 21.311, 124.047



24, 3.538, 105.602



47, 53.071, 97.286



90, 89.702, 96.952

Inverse Universe

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



37, 19.834, 290.201



44, 29.654, 291.274



37, 22.386, 307.117



22, 3.598, 287.442



13, 73.240, 304.626



33, 127.877, 305.456

Previews

White Background



This preview shows how the CIELCh color 47, 18.744, 103.482 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, 18.744, 103.482 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

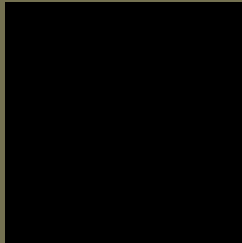
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 18.744, 103.482

Background



This preview shows how black text looks on a background with the CIELCh color 47, 18.744, 103.482.



This preview shows how white text looks on a background with the CIELCh color 47, 18.744, 103.482.

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, 18.744, 103.482](#)

Protanopia

[47, 18.636, 95.051](#)

Deuteranopia

[47, 18.797, 70.871](#)



Tritanopia
47, 7.238, 332.929

Trichromacy



Original Color
47, 18.744, 103.482

Protanomaly
47, 18.921, 99.370

Deuteranomaly
47, 17.730, 82.246

Tritanomaly
47, 4.877, 66.022

Monochromacy



Original Color
47, 18.744, 103.482

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 7.087, 105.764

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 18.744, 103.482 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(116, 113, 81)` looks like.

```
.text, #text, p{  
    color:rgb(116, 113, 81)  
}
```

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(116, 113, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 113, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 18.744, 103.482 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(116, 113, 81) }
```

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

```
.border{ border-color:rgb(116, 113, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 113, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 113, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 113, 81);  
box-shadow:4px 4px 4px 4px rgb(116, 113,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 18.744, 103.482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 113, 81) }
```

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

```
.background{ background-color: rgb(116,  
113, 81) }
```

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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