

Converting Colors

CIELCh(47, 16.112, 93.669)

Have a look what the booklet for
CIELCh(47, 16.112, 93.669) contains.

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Color

CIELCh(47, 16.369, 93.746)

Conversions

Conversions Part 1

Format	Color
Hex	786F54
RGB	120, 111, 84
RGB Percent	47%, 44%, 33%
CMY	0.5292, 0.5645, 0.6704
CMYK	0.00, 0.07, 0.30, 0.53
HSL	45°, 18%, 40%
HSV	45°, 30%, 47%
XYZ	15.0468, 16.0195, 10.6976
YIQ	110.6130, 14.0310, -6.4890

Conversions

Conversions Part 2

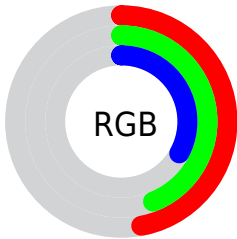
Format	Color
RYB	96, 120, 84
Decimal	7892820
CIELab	47.00, -1.07, 16.33
CIELCh	47, 16.369, 93.746
Yxy	16.0195, 0.3603, 0.3836
Android (android.graphics.Color)	4286082900 (0xFF786F54)
YUV	110.6130, -13.1202, 8.2324
Hunter-Lab	40.0243, -2.9369, 12.1701

Details

The CIELCh color $47, 16.369, 93.746$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $40, 16.702, 281.386$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 16.436, 94.104$, and $27, 15.989, 92.272$ is the 20% darker color. If you saturate the color by 10%, you get $46, 21.894, 92.529$, and if you desaturate by 10%, it is $48, 10.859, 94.942$.

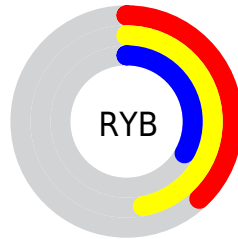
Distribution



Red (47%)

Green (44%)

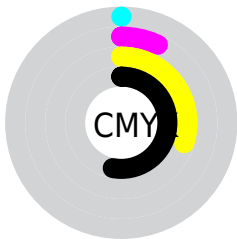
Blue (33%)



Red (38%)

Yellow (47%)

Blue (33%)

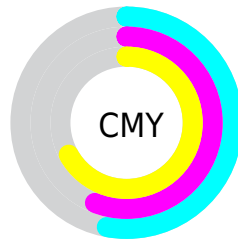


Cyan (0%)

Magenta (7%)

Yellow (30%)

Black (53%)



Cyan (53%)

Magenta (56%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 16.369, 93.746 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, 16.369, 93.746 by changing the saturation by 10% instead.

■ 47, 16.369, 93.746

■ 47, 16.369, 93.746

■ 100, 16.369,
93.746

■ 37, 16.369, 93.746

■ 67, 16.369, 93.746

■ 27, 16.369, 93.746

■ 77, 16.369, 93.746

■ 17, 16.369, 93.746

■ 87, 16.369, 93.746

■ 7, 16.369, 93.746

■ 97, 16.369, 93.746

■ 0, 16.369, 93.746

■ 47, 16.369, 93.746

■ 47, 16.369, 93.746

■ 46, 21.894, 92.529

■ 48, 10.859, 94.942

■ 45, 27.373, 91.279

■ 49, 5.392, 96.091

44, 32.701, 90.001

50, 0.013, 287.336

43, 37.699, 88.684

52, 5.349, 278.342

42, 42.082, 87.301

53, 10.617,
279.367

41, 45.452, 85.798

54, 15.815,
280.354

40, 48.169, 84.254

40, 48.172, 84.252

55, 20.947,
281.296

57, 26.015,
282.191

58, 31.023,
283.041

Harmonies

Complementary

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



47, 16.369, 93.746



40, 16.702, 281.386

Rectangle

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



47, 16.369, 93.746



47, 16.369, 143.746



47, 16.369, 273.746



47, 16.369, 323.746

Sweetspot

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



47, 16.370, 93.752



63, 6.003, 96.176



40, 16.449, 2.682



33, 4.208, 96.041



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47, 16.370, 93.752



59, 24.349, 92.912



49, 21.198, 118.109



25, 3.087, 96.191



42, 49.557, 84.162



80, 83.077, 82.980

Inverse Universe

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



40, 16.702, 281.386



48, 25.002, 282.626



38, 22.523, 302.039



24, 3.110, 278.329



18, 62.941, 299.559



39, 111.481, 301.180

Previews

White Background



This preview shows how the CIELCh color 47, 16.369, 93.746 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, 16.369, 93.746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

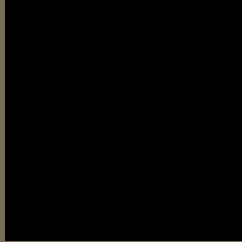
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

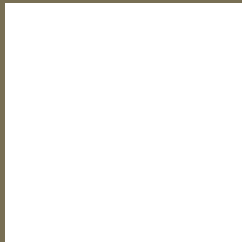
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 16.369, 93.746

Background



This preview shows how black text looks on a background with the CIELCh color 47, 16.369, 93.746.



This preview shows how white text looks on a background with the CIELCh color 47, 16.369, 93.746.

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, 16.369, 93.746

Protanopia

47, 16.260, 95.281

Deuteranopia

47, 17.056, 68.944



Tritanopia
47, 8.426, 346.381

Trichromacy



Original Color
47, 16.369, 93.746

Protanomaly
47, 16.260, 95.281

Deuteranomaly
47, 16.124, 76.283

Tritanomaly
47, 6.783, 40.333

Monochromacy



Original Color
47, 16.369, 93.746

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 6.024, 97.216

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 16.369, 93.746 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(120, 111, 84)` looks like.

```
.text, #text, p{  
    color:rgb(120, 111, 84)  
}
```

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(120, 111, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 111, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 16.369, 93.746 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(120, 111, 84) }
```

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

```
.border{ border-color:rgb(120, 111, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 111, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 111, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 111, 84);  
box-shadow:4px 4px 4px 4px rgb(120, 111,  
84) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 16.369, 93.746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 111, 84) }
```

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

```
.background{ background-color: rgb(120,  
111, 84) }
```

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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