

Converting Colors

CIELCh(47, 4.903, 91.939)

Have a look what the booklet for
CIELCh(47, 4.903, 91.939) contains.

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Color

CIELCh(47, 4.998, 89.864)

Conversions

Conversions Part 1

Format	Color
Hex	736F67
RGB	115, 111, 103
RGB Percent	45%, 44%, 40%
CMY	0.5487, 0.5644, 0.5957
CMYK	0.00, 0.03, 0.10, 0.55
HSL	40°, 6%, 43%
HSV	40°, 10%, 45%
XYZ	15.2280, 16.0195, 15.1438
YIQ	111.2840, 4.9520, -1.6400

Conversions

Conversions Part 2

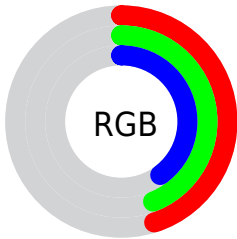
Format	Color
R_{YB}	109, 115, 103
Decimal	7565159
CIE Lab	47.00, 0.01, 5.00
CIE LCh	47, 4.998, 89.864
Yxy	16.0195, 0.3283, 0.3453
Android (android.graphics.Color)	4285755239 (0xFF736F67)
YUV	111.2840, -4.0840, 3.2589
Hunter-Lab	40.0243, -2.1288, 5.5838

Details

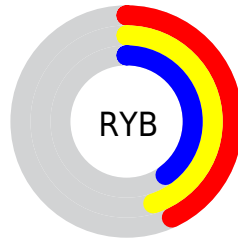
The CIELCh color $47, 4.998, 89.864$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $45, 4.997, 272.469$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 5.178, 92.151$, and $27, 4.913, 86.770$ is the 20% darker color. If you saturate the color by 10%, you get $46, 9.897, 88.676$, and if you desaturate by 10%, it is $48, 0.198, 90.277$.

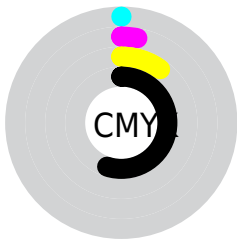
Distribution



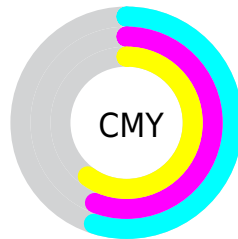
- Red (45%)
- Green (44%)
- Blue (40%)



- Red (43%)
- Yellow (45%)
- Blue (40%)



- Cyan (0%)
- Magenta (3%)
- Yellow (10%)
- Black (55%)



- Cyan (55%)
- Magenta (56%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 4.998, 89.864 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, 4.998, 89.864 by changing the saturation by 10% instead.

■ 47, 4.998, 89.864 ■ 47, 4.998, 89.864

■ 100, 4.998, 89.864 ■ 37, 4.998, 89.864

■ 67, 4.998, 89.864 ■ 27, 4.998, 89.864

■ 77, 4.998, 89.864 ■ 17, 4.998, 89.864

■ 87, 4.998, 89.864 ■ 7, 4.998, 89.864

■ 97, 4.998, 89.864 ■ 0, 4.998, 89.864

■ 47, 4.998, 89.864 ■ 47, 4.998, 89.864

■ 46, 9.897, 88.676 ■ 48, 0.198, 90.277

■ 44, 14.886, 87.424 ■ 50, 4.507, 272.262

■ 43, 19.948, 86.134 ■ 51, 9.120, 273.333

42, 25.040, 84.806

53, 13.646,
274.369

40, 30.083, 83.432

54, 18.093,
275.360

39, 34.926, 81.991

38, 39.315, 80.429

56, 22.465,
276.303

37, 42.857, 78.648

57, 26.770,
277.199

36, 45.926, 76.948

59, 31.012,
278.049

60, 35.196,
278.854

Harmonies

Complementary

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



47, 4.998, 89.864



45, 4.997, 272.469

Rectangle

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



47, 4.998, 89.864



47, 4.998, 139.864



47, 4.998, 269.864



47, 4.998, 319.864

Sweetspot

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



47, 4.999, 89.880



62, 1.773, 90.672



45, 5.530, 354.572



32, 1.356, 90.610



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, 4.999, 89.880



60, 7.786, 89.536



48, 7.094, 115.995



24, 2.736, 90.039



38, 47.985, 76.751



75, 81.258, 75.072

Inverse Universe

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



45, 4.997, 272.469



57, 7.773, 272.861



44, 7.252, 297.460



23, 2.737, 272.292



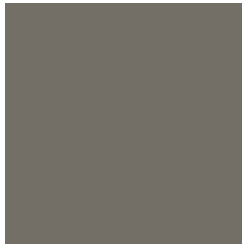
20, 54.740, 295.267



43, 98.263, 297.292

Previews

White Background



This preview shows how the CIELCh color 47, 4.998, 89.864 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, 4.998, 89.864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

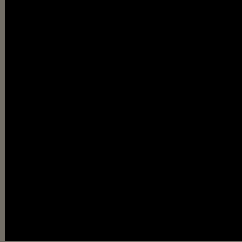
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

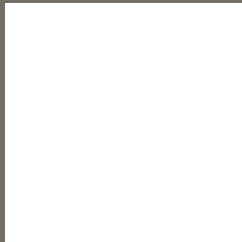
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 4.998, 89.864

Background



This preview shows how black text looks on a background with the CIELCh color 47, 4.998, 89.864.



This preview shows how white text looks on a background with the CIELCh color 47, 4.998, 89.864.

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, 4.998, 89.864

Protanopia

47, 4.998, 89.864

Deuteranopia

47, 7.603, 38.150



Tritanopia
47, 6.256, 321.723

Trichromacy



Original Color
47, 4.998, 89.864

Protanomaly
47, 4.998, 89.864

Deuteranomaly
47, 5.866, 49.947

Tritanomaly
47, 3.038, 343.964

Monochromacy



Original Color
47, 4.998, 89.864

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 1.810, 96.771

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 4.998, 89.864 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(115, 111, 103)` looks like.

```
.text, #text, p{  
    color:rgb(115, 111, 103)  
}
```

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(115, 111, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 111, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 4.998, 89.864 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(115, 111, 103) }
```

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

```
.border{ border-color:rgb(115, 111, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 111, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 111, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 111, 103);  
box-shadow:4px 4px 4px 4px rgb(115, 111,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 4.998, 89.864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 111, 103) }
```

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

```
.background{ background-color: rgb(115,  
111, 103) }
```

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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