

Converting Colors

CIELCh(47, 5.509, 329.406)

Have a look what the booklet for
CIELCh(47, 5.509, 329.406) contains.

CIELCh(47, 5.545, 331.737)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(47, 5.545, 331.737)

Conversions

Conversions Part 1

Format	Color
Hex	766D74
RGB	118, 109, 116
RGB Percent	46%, 43%, 45%
CMY	0.5376, 0.5729, 0.5455
CMYK	0.00, 0.08, 0.02, 0.54
HSL	313°, 4%, 44%
HSV	313°, 8%, 46%
XYZ	16.0624, 16.0195, 18.7382
YIQ	112.4890, 3.1170, 4.0850

Conversions

Conversions Part 2

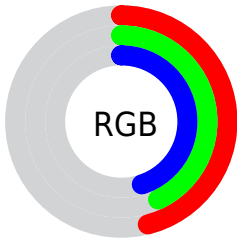
Format	Color
R_{YB}	118, 109, 116
Decimal	7761268
CIE _{Lab}	47.00, 4.88, -2.63
CIE _{LCh}	47, 5.545, 331.737
Yxy	16.0195, 0.3161, 0.3152
Android (android.graphics.Color)	4285951348 (0xFF766D74)
YUV	112.4890, 1.7309, 4.8331
Hunter-Lab	40.0243, 1.5924, 0.2592

Details

The CIELCh color $47, 5.545, 331.737$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $49, 5.524, 150.884$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 5.851, 330.839$, and $27, 5.300, 332.971$ is the 20% darker color. If you saturate the color by 10%, you get $44, 12.881, 332.382$, and if you desaturate by 10%, it is $50, 1.698, 151.308$.

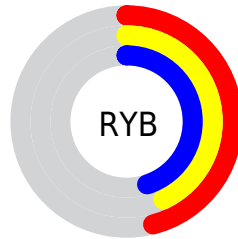
Distribution



Red (46%)

Green (43%)

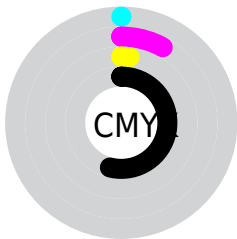
Blue (45%)



Red (46%)

Yellow (43%)

Blue (45%)

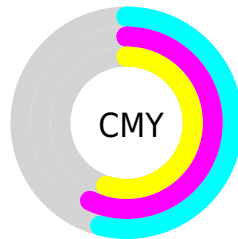


Cyan (0%)

Magenta (8%)

Yellow (2%)

Black (54%)



Cyan (54%)

Magenta (57%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 5.545, 331.737 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, 5.545, 331.737 by changing the saturation by 10% instead.

■ 47, 5.545, 331.737

■ 47, 5.545, 331.737

■ 100, 5.545,
331.737

■ 37, 5.545, 331.737

■ 67, 5.545, 331.737

■ 27, 5.545, 331.737

■ 77, 5.545, 331.737

■ 17, 5.545, 331.737

■ 87, 5.545, 331.737

■ 7, 5.545, 331.737

■ 97, 5.545, 331.737

■ 0, 5.545, 331.737

■ 47, 5.545, 331.737

■ 47, 5.545, 331.737

■ 44, 12.881,
332.382

■ 50, 1.698, 151.308

■ 40, 20.226,

■ 54, 8.788, 150.638

333.036

57, 15.694,
150.086

37, 27.442,
333.712

61, 22.404,
149.567

35, 34.339,
334.415

64, 28.914,
149.077

32, 40.669,
335.152

68, 35.227,
148.615

30, 46.136,
335.934

72, 41.351,
148.178

28, 50.437,
336.781

75, 47.297,
147.766

27, 53.323,
337.723

79, 53.076,
147.378

26, 55.006,
338.761

Harmonies

Complementary

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



47, 5.545, 331.737



49, 5.524, 150.884

Rectangle

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



47, 5.545, 331.737



47, 5.545, 21.737



47, 5.545, 151.737



47, 5.545, 201.737

Sweetspot

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



47, 5.543, 331.739



62, 1.795, 331.298



46, 5.412, 299.127



32, 1.014, 331.276



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, 5.543, 331.739



59, 8.102, 331.843



47, 4.002, 357.727



23, 4.075, 331.830



27, 56.871, 339.056



56, 95.589, 339.810

Inverse Universe

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



47, 5.543, 331.739



59, 8.102, 331.843



49, 3.912, 176.544



23, 4.075, 331.830



27, 56.871, 339.056



56, 95.589, 339.810

Previews

White Background



This preview shows how the CIELCh color 47, 5.545, 331.737 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, 5.545, 331.737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

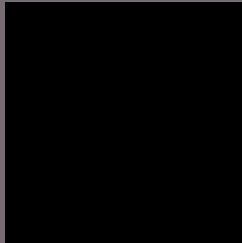
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 5.545, 331.737

Background



This preview shows how black text looks on a background with the CIELCh color 47, 5.545, 331.737.



This preview shows how white text looks on a background with the CIELCh color 47, 5.545, 331.737.

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, 5.545, 331.737

Protanopia

47, 3.583, 297.063

Deuteranopia

47, 6.820, 336.304



Tritanopia
47, 5.998, 328.000

Trichromacy



Original Color

47, 5.545, 331.737

Protanomaly

47, 4.468, 311.741

Deuteranomaly

47, 6.534, 333.757

Tritanomaly

47, 5.998, 328.000

Monochromacy



Original Color

47, 5.545, 331.737

Achromatopsia

47, 0.006, 296.813

Achromatomaly

47, 1.712, 335.704

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 5.545, 331.737 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(118, 109, 116)` looks like.

```
.text, #text, p{  
    color:rgb(118, 109, 116)  
}
```

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(118, 109, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 109, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 5.545, 331.737 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(118, 109, 116) }
```

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

```
.border{ border-color:rgb(118, 109, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 109, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 109, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 109, 116);  
box-shadow:4px 4px 4px 4px rgb(118, 109,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 5.545, 331.737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 109, 116) }
```

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

```
.background{ background-color: rgb(118,  
109, 116) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor