

Converting Colors

CIELCh(47, 7.796, 314.512)

Have a look what the booklet for
CIELCh(47, 7.796, 314.512) contains.

CIELCh(47, 7.825, 315.047)	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, 7.825, 315.047)

Conversions

Conversions Part 1

Format	Color
Hex	756D79
RGB	117, 109, 121
RGB Percent	46%, 43%, 47%
CMY	0.5422, 0.5736, 0.5265
CMYK	0.03, 0.10, 0.00, 0.53
HSL	280°, 5%, 45%
HSV	280°, 10%, 47%
XYZ	16.1766, 16.0195, 20.2437
YIQ	112.7600, 0.9160, 5.4280

Conversions

Conversions Part 2

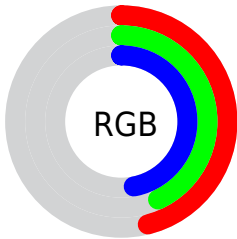
Format	Color
R_{YB}	117, 109, 121
Decimal	7695737
CIE _{Lab}	47.00, 5.54, -5.53
CIE _{LCh}	47, 7.825, 315.047
Yxy	16.0195, 0.3085, 0.3055
Android (android.graphics.Color)	4285885817 (0xFF756D79)
YUV	112.7600, 4.0623, 3.7185
Hunter-Lab	40.0243, 2.1018, -1.9709

Details

The CIELCh color $47, 7.825, 315.047$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $50, 7.753, 134.280$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 7.976, 315.777$, and $27, 7.808, 314.241$ is the 20% darker color. If you saturate the color by 10%, you get $43, 15.857, 315.467$, and if you desaturate by 10%, it is $51, 0.045, 137.282$.

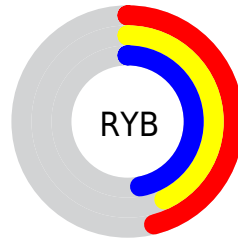
Distribution



Red (46%)

Green (43%)

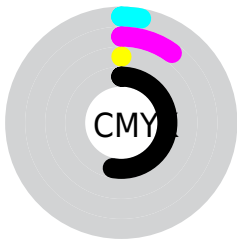
Blue (47%)



Red (46%)

Yellow (43%)

Blue (47%)

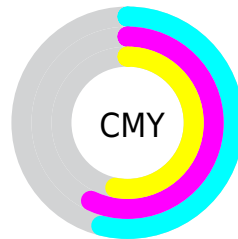


Cyan (3%)

Magenta (10%)

Yellow (0%)

Black (53%)



Cyan (54%)

Magenta (57%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 7.825, 315.047 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, 7.825, 315.047 by changing the saturation by 10% instead.

■ 47, 7.825, 315.047

■ 47, 7.825, 315.047

■ 100, 7.825,
315.047

■ 37, 7.825, 315.047

■ 67, 7.825, 315.047

■ 27, 7.825, 315.047

■ 77, 7.825, 315.047

■ 17, 7.825, 315.047

■ 87, 7.825, 315.047

■ 7, 7.825, 315.047

■ 97, 7.825, 315.047

■ 0, 7.825, 315.047

■ 47, 7.825, 315.047

■ 47, 7.825, 315.047

■ 43, 15.857,
315.467

■ 51, 0.045, 137.282

■ 40, 24.000,

■ 55, 7.719, 134.311

315.892

58, 15.186,
133.961

36, 32.163,
316.307

62, 22.442,
133.646

33, 40.198,
316.690

66, 29.489,
133.362

30, 47.887,
317.005

70, 36.334,
133.106

27, 54.926,
317.208

73, 42.985,
132.877

24, 60.934,
317.238

77, 49.453,
132.673

22, 65.511,
317.031

81, 55.746,
132.492

20, 69.131,
316.699

Harmonies

Complementary

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



47, 7.825, 315.047



50, 7.753, 134.280

Rectangle

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



47, 7.825, 315.047



47, 7.825, 5.047



47, 7.825, 135.047



47, 7.825, 185.047

Sweetspot

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



47, 7.824, 315.045



64, 2.928, 314.738



48, 4.860, 271.053



33, 2.208, 314.776



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, 7.824, 315.045



60, 11.813, 315.145



47, 7.757, 329.382



24, 4.482, 315.009



21, 70.897, 316.663



46, 119.746, 316.137

Inverse Universe

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



47, 5.475, 354.522



60, 8.281, 354.763



49, 7.738, 148.272



24, 3.134, 354.436



25, 50.560, 15.982



53, 86.217, 19.232

Previews

White Background



This preview shows how the CIELCh color 47, 7.825, 315.047 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, 7.825, 315.047 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

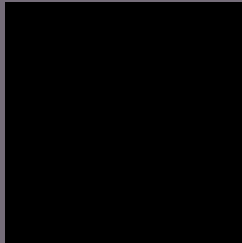
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 7.825, 315.047

Background



This preview shows how black text looks on a background with the CIELCh color 47, 7.825, 315.047.



This preview shows how white text looks on a background with the CIELCh color 47, 7.825, 315.047.

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, 7.825, 315.047

Protanopia

47, 6.518, 287.635

Deuteranopia

47, 8.714, 318.310



Tritanopia
47, 6.058, 318.434

Trichromacy



Original Color

47, 7.825, 315.047

Protanomaly

47, 7.169, 297.418

Deuteranomaly

47, 8.714, 318.310

Tritanomaly

47, 6.586, 316.048

Monochromacy



Original Color

47, 7.825, 315.047

Achromatopsia

48, 0.006, 296.813

Achromatomaly

47, 3.213, 312.621

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 7.825, 315.047 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, 109, 121)` looks like.

```
.text, #text, p{  
    color:rgb(117, 109, 121)  
}
```

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, 109, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 109, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 7.825, 315.047 is called "border". The border property can be set on classes, ids or directly on the HTML element.

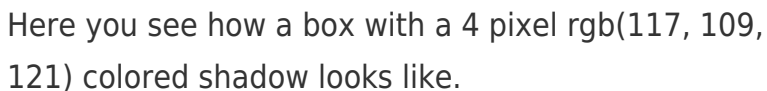
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 109, 121) }
```

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

```
.border{ border-color:rgb(117, 109, 121) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 109, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 109, 121); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 109, 121); box-shadow:4px 4px 4px 4px rgb(117, 109, 121) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 7.825, 315.047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 109, 121) }
```

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

```
.background{ background-color: rgb(117,  
109, 121) }
```

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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