

Converting Colors

CIELCh(47, 7.012, 340.794)

Have a look what the booklet for
CIELCh(47, 7.012, 340.794) contains.

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Color

CIELCh(47, 6.747, 342.425)

Conversions

Conversions Part 1

Format	Color
Hex	796C73
RGB	121, 108, 115
RGB Percent	47%, 42%, 45%
CMY	0.5256, 0.5766, 0.5491
CMYK	0.00, 0.11, 0.05, 0.53
HSL	328°, 6%, 45%
HSV	328°, 11%, 47%
XYZ	16.3338, 16.0195, 18.4424
YIQ	112.6850, 5.5010, 4.9330

Conversions

Conversions Part 2

Format	Color
R _Y B	121, 108, 115
Decimal	7957619
CIE Lab	47.00, 6.43, -2.04
CIE LCh	47, 6.747, 342.425
Yxy	16.0195, 0.3216, 0.3154
Android (android.graphics.Color)	4286147699 (0xFF796C73)
YUV	112.6850, 1.1413, 7.2923
Hunter-Lab	40.0243, 2.8027, 0.6973

Details

The CIELCh color $47, 6.747, 342.425$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $50, 6.668, 160.846$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 6.948, 340.562$, and $27, 6.299, 342.361$ is the 20% darker color. If you saturate the color by 10%, you get $44, 13.141, 343.295$, and if you desaturate by 10%, it is $51, 0.466, 341.114$.

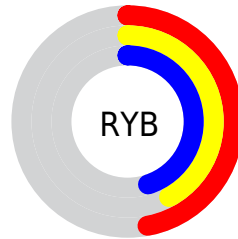
Distribution



Red (47%)

Green (42%)

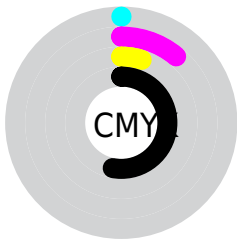
Blue (45%)



Red (47%)

Yellow (42%)

Blue (45%)

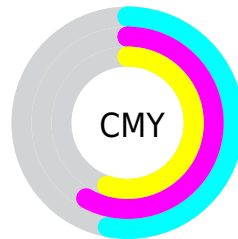


Cyan (0%)

Magenta (11%)

Yellow (5%)

Black (53%)



Cyan (53%)

Magenta (58%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 6.747, 342.425 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, 6.747, 342.425 by changing the saturation by 10% instead.

■ 47, 6.747, 342.425

■ 47, 6.747, 342.425

■ 100, 6.747,
342.425

■ 37, 6.747, 342.425

■ 67, 6.747, 342.425

■ 27, 6.747, 342.425

■ 77, 6.747, 342.425

■ 17, 6.747, 342.425

■ 87, 6.747, 342.425

■ 7, 6.747, 342.425

■ 97, 6.747, 342.425

■ 0, 6.747, 342.425

■ 47, 6.747, 342.425

■ 47, 6.747, 342.425

■ 44, 13.141,
343.295

■ 51, 0.466, 341.114

■ 40, 19.570,

■ 54, 5.652, 161.034

344.239

58, 11.583,
160.352

37, 25.904,
345.295

61, 17.320,
159.735

34, 31.957,
346.500

65, 22.864,
159.163

31, 37.480,
347.908

69, 28.223,
158.631

29, 42.178,
349.593

72, 33.407,
158.133

27, 45.759,
351.657

76, 38.429,
157.668

26, 48.018,
354.227

80, 43.301,
157.231

25, 49.472,
356.886

Harmonies

Complementary

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



47, 6.747, 342.425



50, 6.668, 160.846

Rectangle

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



47, 6.747, 342.425



47, 6.747, 32.425



47, 6.747, 162.425



47, 6.747, 212.425

Sweetspot

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



47, 6.745, 342.429



64, 2.328, 341.729



47, 8.090, 307.781



33, 1.756, 341.810



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, 6.745, 342.429



59, 10.188, 342.648



47, 5.424, 15.959



24, 3.564, 342.288



26, 50.611, 357.020



55, 84.614, 359.227

Inverse Universe

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



47, 6.745, 342.429



59, 10.188, 342.648



50, 5.113, 194.638



24, 3.564, 342.288



26, 50.611, 357.020



55, 84.614, 359.227

Previews

White Background



This preview shows how the CIELCh color 47, 6.747, 342.425 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, 6.747, 342.425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

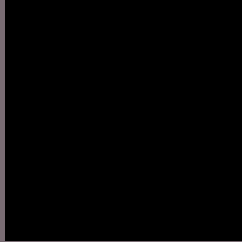
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 6.747, 342.425

Background



This preview shows how black text looks on a background with the CIELCh color 47, 6.747, 342.425.



This preview shows how white text looks on a background with the CIELCh color 47, 6.747, 342.425.

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, 6.747, 342.425

Protanopia

47, 3.583, 297.063

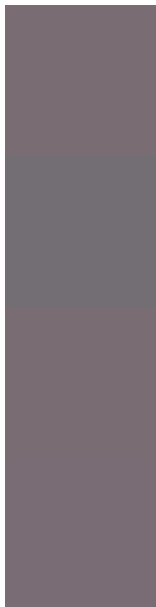
Deuteranopia

47, 6.747, 342.425



Tritanopia
47, 7.118, 338.652

Trichromacy



Original Color
47, 6.747, 342.425

Protanomaly
47, 4.108, 319.985

Deuteranomaly
47, 6.747, 342.425

Tritanomaly
47, 7.118, 338.652

Monochromacy



Original Color
47, 6.747, 342.425

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 2.713, 338.845

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 6.747, 342.425 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(121, 108, 115)` looks like.

```
.text, #text, p{  
    color:rgb(121, 108, 115)  
}
```

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(121, 108, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 108, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 6.747, 342.425 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(121, 108, 115) }
```

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

```
.border{ border-color:rgb(121, 108, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 108, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 108, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 108, 115);  
box-shadow:4px 4px 4px 4px rgb(121, 108,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 6.747, 342.425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 108, 115) }
```

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

```
.background{ background-color: rgb(121,  
108, 115) }
```

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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