

Converting Colors

CIELCh(47, 3.206, 340.738)

Have a look what the booklet for
CIELCh(47, 3.206, 340.738) contains.

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Color

CIELCh(47, 3.038, 343.964)

Conversions

Conversions Part 1

Format	Color
Hex	746E71
RGB	116, 110, 113
RGB Percent	45%, 43%, 44%
CMY	0.5456, 0.5691, 0.5573
CMYK	0.00, 0.05, 0.03, 0.55
HSL	330°, 3%, 44%
HSV	330°, 5%, 45%
XYZ	15.7224, 16.0195, 17.8499
YIQ	112.1360, 2.6130, 2.2050

Conversions

Conversions Part 2

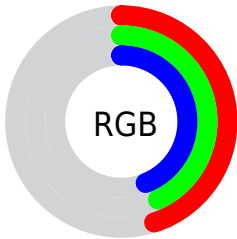
Format	Color
R_{YB}	116, 110, 113
Decimal	7630449
CIE Lab	47.00, 2.92, -0.84
CIE LCh	47, 3.038, 343.964
Yxy	16.0195, 0.3170, 0.3230
Android (android.graphics.Color)	4285820529 (0xFF746E71)
YUV	112.1360, 0.4260, 3.3887
Hunter-Lab	40.0243, 0.0763, 1.5751

Details

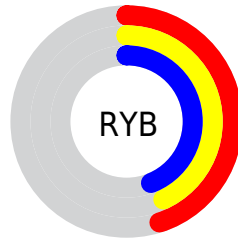
The CIELCh color $47, 3.038, 343.964$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $48, 3.010, 163.347$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 2.836, 343.812$, and $27, 2.606, 349.917$ is the 20% darker color. If you saturate the color by 10%, you get $44, 9.004, 344.866$, and if you desaturate by 10%, it is $50, 2.782, 163.401$.

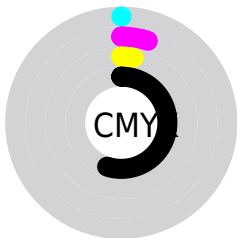
Distribution



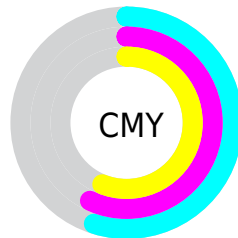
- Red (45%)
- Green (43%)
- Blue (44%)



- Red (45%)
- Yellow (43%)
- Blue (44%)



- Cyan (0%)
- Magenta (5%)
- Yellow (3%)
- Black (55%)



- Cyan (55%)
- Magenta (57%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 3.038, 343.964 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, 3.038, 343.964 by changing the saturation by 10% instead.

■ 47, 3.038, 343.964

■ 47, 3.038, 343.964

■ 100, 3.038,
343.964

■ 37, 3.038, 343.964

■ 67, 3.038, 343.964

■ 27, 3.038, 343.964

■ 77, 3.038, 343.964

■ 17, 3.038, 343.964

■ 87, 3.038, 343.964

■ 7, 3.038, 343.964

■ 97, 3.038, 343.964

■ 0, 3.038, 343.964

■ 47, 3.038, 343.964

■ 47, 3.038, 343.964

■ 44, 9.004, 344.866

■ 50, 2.782, 163.401

■ 40, 15.064,
345.802

■ 54, 8.425, 162.639

■ 37, 21.126,
346.844

■ 58, 13.880,
161.983

■ 34, 27.050,
348.031

■ 61, 19.146,
161.381

■ 31, 32.638,
349.414

■ 65, 24.231,
160.824

■ 29, 37.635,
351.061

■ 68, 29.144,
160.305

■ 27, 41.759,
353.071

■ 72, 33.896,
159.821

■ 25, 44.760,
355.568

■ 75, 38.500,
159.368

■ 24, 46.632,
358.627

■ 79, 42.968,
158.943

Harmonies

Complementary

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



47, 3.038, 343.964



48, 3.010, 163.347

Rectangle

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



47, 3.038, 343.964



47, 3.038, 33.964



47, 3.038, 163.964



47, 3.038, 213.964

Sweetspot

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



47, 3.037, 343.973



61, 1.451, 343.591



47, 3.771, 309.263



32, 0.831, 343.561



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, 3.037, 343.973



60, 4.365, 344.065



47, 2.468, 19.555



23, 2.338, 344.082



25, 49.385, 0.375



54, 83.346, 2.908

Inverse Universe

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



47, 3.037, 343.973



60, 4.365, 344.065



48, 2.393, 199.288



23, 2.338, 344.082



25, 49.385, 0.375



54, 83.346, 2.908

Previews

White Background



This preview shows how the CIELCh color 47, 3.038, 343.964 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, 3.038, 343.964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

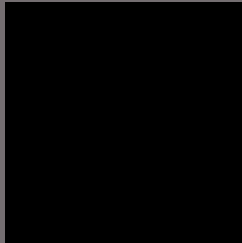
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

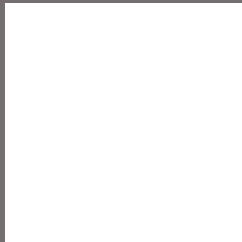
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 3.038, 343.964

Background



This preview shows how black text looks on a background with the CIELCh color 47, 3.038, 343.964.



This preview shows how white text looks on a background with the CIELCh color 47, 3.038, 343.964.

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, 3.038, 343.964

Protanopia

47, 1.448, 324.417

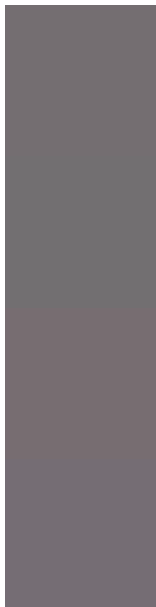
Deuteranopia

47, 6.114, 351.267



Tritanopia
47, 6.256, 321.723

Trichromacy



Original Color

47, 3.038, 343.964

Protanomaly

47, 1.712, 335.704

Deuteranomaly

47, 4.743, 350.073

Tritanomaly

47, 5.285, 328.387

Monochromacy



Original Color

47, 3.038, 343.964

Achromatopsia

47, 0.006, 296.813

Achromatomaly

47, 1.016, 343.524

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 3.038, 343.964 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(116, 110, 113)` looks like.

```
.text, #text, p{  
    color:rgb(116, 110, 113)  
}
```

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(116, 110, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 110, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 3.038, 343.964 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(116, 110, 113) }
```

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

```
.border{ border-color:rgb(116, 110, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 110, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 110, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 110, 113);  
box-shadow:4px 4px 4px 4px rgb(116, 110,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 3.038, 343.964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 110, 113) }
```

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

```
.background{ background-color: rgb(116,  
110, 113) }
```

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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