

Converting Colors

CIELCh(47, 0.785, 290.169)

Have a look what the booklet for
CIELCh(47, 0.785, 290.169) contains.

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Color

CIELCh(47, 1.189, 290.375)

Conversions

Conversions Part 1

Format	Color
Hex	6F6F71
RGB	111, 111, 113
RGB Percent	44%, 44%, 44%
CMY	0.5637, 0.5637, 0.5558
CMYK	0.02, 0.02, 0.00, 0.56
HSL	240°, 1%, 44%
HSV	240°, 2%, 44%
XYZ	15.2957, 16.0195, 17.9849
YIQ	111.2280, -0.6420, 0.6220

Conversions

Conversions Part 2

Format	Color
R_{YB}	111, 111, 113
Decimal	7303025
CIE Lab	47.00, 0.41, -1.11
CIE LCh	47, 1.189, 290.375
Yxy	16.0195, 0.3103, 0.3249
Android (android.graphics.Color)	4285493105 (0xFF6F6F71)
YUV	111.2280, 0.8736, -0.2000
Hunter-Lab	40.0243, -1.8267, 1.3750

Details

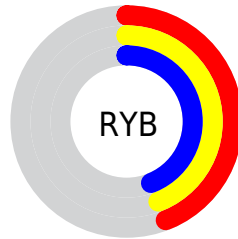
The CIELCh color $47, 1.189, 290.375$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $48, 1.171, 109.943$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 1.112, 290.342$, and $27, 1.308, 290.462$ is the 20% darker color. If you saturate the color by 10%, you get $43, 8.027, 291.310$, and if you desaturate by 10%, it is $51, 5.400, 109.433$.

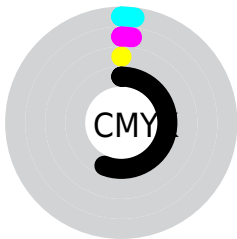
Distribution



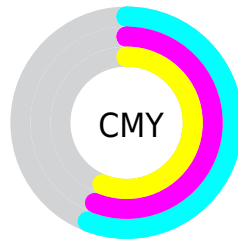
- Red (44%)
- Green (44%)
- Blue (44%)



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



- Cyan (2%)
- Magenta (2%)
- Yellow (0%)
- Black (56%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 1.189, 290.375 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, 1.189, 290.375 by changing the saturation by 10% instead.

■ 47, 1.189, 290.375	■ 47, 1.189, 290.375
■ 100, 1.189, 290.375	■ 37, 1.189, 290.375
■ 67, 1.189, 290.375	■ 27, 1.189, 290.375
■ 77, 1.189, 290.375	■ 17, 1.189, 290.375
■ 87, 1.189, 290.375	■ 7, 1.189, 290.375
■ 97, 1.189, 290.375	■ 0, 1.189, 290.375

■ 47, 1.189, 290.375	■ 47, 1.189, 290.375
■ 43, 8.027, 291.310	■ 51, 5.400, 109.433
■ 39, 15.138, 292.484	■ 55, 11.755, 108.701

■ 34, 22.539,
293.856

■ 59, 17.894,
108.068

■ 30, 30.245,
295.448

■ 64, 23.829,
107.521

■ 26, 38.246,
297.265

■ 68, 29.575,
107.046

■ 22, 46.468,
299.276

■ 72, 35.143,
106.632

■ 18, 54.684,
301.385

■ 76, 40.544,
106.270

■ 15, 62.377,
303.397

■ 80, 45.788,
105.952

■ 12, 68.647,
305.031

■ 83, 50.885,
105.671

Harmonies

Complementary

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



47, 1.189, 290.375



48, 1.171, 109.943

Rectangle

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



47, 1.189, 290.375



47, 1.189, 340.375



47, 1.189, 110.375



47, 1.189, 160.375

Sweetspot

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



47, 1.188, 290.336



61, 0.839, 290.294



48, 0.807, 198.367



31, 0.474, 290.292



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47, 1.188, 290.336



60, 1.673, 290.358



47, 1.257, 308.499



23, 0.750, 290.339



12, 76.510, 306.267



31, 130.723, 306.279

Inverse Universe

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



47, 0.817, 18.979



60, 1.152, 19.058



48, 1.242, 128.471



23, 0.516, 18.989



24, 57.974, 37.751



52, 102.149, 39.971

Previews

White Background



This preview shows how the CIELCh color 47, 1.189, 290.375 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, 1.189, 290.375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

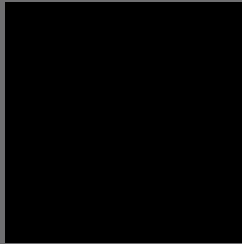
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

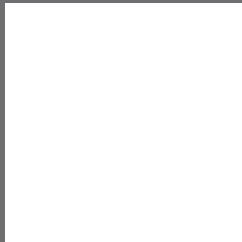
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 1.189, 290.375

Background



This preview shows how black text looks on a background with the CIELCh color 47, 1.189, 290.375.



This preview shows how white text looks on a background with the CIELCh color 47, 1.189, 290.375.

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, 1.189, 290.375

Protanopia

47, 1.448, 324.417

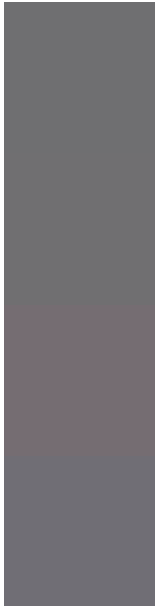
Deuteranopia

47, 6.411, 346.623



Tritanopia
47, 5.407, 299.330

Trichromacy



Original Color

47, 1.189, 290.375

Protanomaly

47, 1.261, 309.079

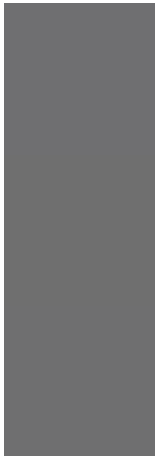
Deuteranomaly

47, 4.422, 337.905

Tritanomaly

47, 4.240, 301.595

Monochromacy



Original Color

47, 1.189, 290.375

Achromatopsia

47, 0.006, 296.813

Achromatomaly

47, 0.598, 290.329

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 1.189, 290.375 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(111, 111, 113)` looks like.

```
.text, #text, p{  
    color:rgb(111, 111, 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(111, 111, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 111, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 1.189, 290.375 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(111, 111, 113) }
```

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

```
.border{ border-color:rgb(111, 111, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 111, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 111, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 111, 113);  
box-shadow:4px 4px 4px 4px rgb(111, 111,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 1.189, 290.375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 111, 113) }
```

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

```
.background{ background-color: rgb(111,  
111, 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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