

Converting Colors

CIELCh(48, 10.544, 312.582)

Have a look what the booklet for
CIELCh(48, 10.544, 312.582)
contains.

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Color

CIELCh(48, 10.829, 312.627)

Conversions

Conversions Part 1

Format	Color
Hex	786E7F
RGB	120, 110, 127
RGB Percent	47%, 43%, 50%
CMY	0.5279, 0.5672, 0.5005
CMYK	0.05, 0.13, 0.00, 0.50
HSL	275°, 7%, 47%
HSV	275°, 13%, 50%
XYZ	17.2698, 16.7945, 22.5405
YIQ	114.9280, 0.5030, 7.4070

Conversions

Conversions Part 2

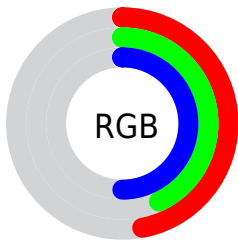
Format	Color
RYB	120, 110, 127
Decimal	7892607
CIELab	48.00, 7.33, -7.97
CIELCh	48, 10.829, 312.627
Yxy	16.7945, 0.3051, 0.2967
Android (android.graphics.Color)	4286082687 (0xFF786E7F)
YUV	114.9280, 5.9515, 4.4481
Hunter-Lab	40.9810, 3.5050, -3.9241

Details

The CIELCh color $48, 10.829, 312.627$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $52, 10.673, 131.550$, and the grayscale version is $49, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 10.640, 311.397$, and $28, 11.117, 312.032$ is the 20% darker color. If you saturate the color by 10%, you get $44, 19.150, 313.068$, and if you desaturate by 10%, it is $52, 2.688, 312.183$.

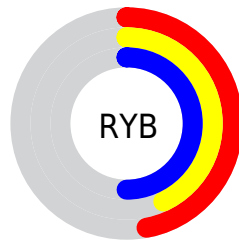
Distribution



Red (47%)

Green (43%)

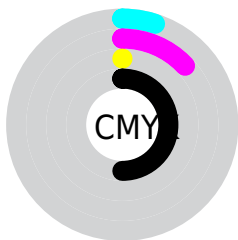
Blue (50%)



Red (47%)

Yellow (43%)

Blue (50%)

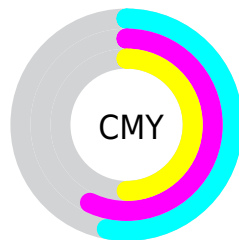


Cyan (5%)

Magenta (13%)

Yellow (0%)

Black (50%)



Cyan (53%)


Magenta (57%)

Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 10.829, 312.627 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 48, 10.829, 312.627 by changing the saturation by 10% instead.


 48, 10.829,
312.627


 48, 10.829,
312.627


 100, 10.829,
312.627


 38, 10.829,
312.627

 68, 10.829,
312.627


 28, 10.829,
312.627

 78, 10.829,
312.627

 18, 10.829,
312.627


 88, 10.829,
312.627

 8, 10.829, 312.627

 98, 10.829,
312.627

 0, 10.829, 312.627

 48, 10.829,

 48, 10.829,

312.627

■ 44, 19.150,
313.068

■ 40, 27.602,
313.521

■ 36, 36.088,
313.970

■ 33, 44.451,
314.385

■ 29, 52.445,
314.725

■ 26, 59.719,
314.932

■ 24, 65.827,
314.929

■ 21, 70.324,
314.640

312.627

■ 52, 2.688, 312.183

■ 56, 5.240, 131.860

■ 60, 12.945,
131.500

■ 64, 20.427,
131.182

■ 68, 27.689,
130.899

■ 72, 34.739,
130.647

■ 76, 41.587,
130.425

■ 80, 48.244,
130.230

■ 20, 73.003,
314.434

■ 84, 54.718,
130.059

Harmonies

Complementary

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



48, 10.829, 312.627



52, 10.673, 131.550

Rectangle

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



48, 10.829, 312.627



48, 10.829, 2.627



48, 10.829, 132.627



48, 10.829, 182.627

Sweetspot

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



48, 10.828, 312.626



66, 3.981, 312.220



49, 6.370, 265.667



34, 2.853, 312.251



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



48, 10.828, 312.626



60, 16.149, 312.758



49, 11.434, 327.488



25, 4.551, 312.442



20, 73.052, 314.433



0, 0.000, 0.000

Inverse Universe

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



48, 8.085, 349.835



61, 12.065, 350.134



52, 11.415, 145.990



25, 3.395, 349.423



26, 50.542, 8.769



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 48, 10.829, 312.627 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 48, 10.829, 312.627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

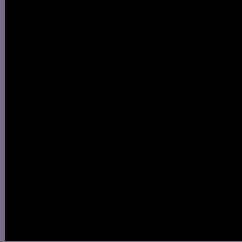
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 10.829, 312.627

Background



This preview shows how black text looks on a background with the CIELCh color 48, 10.829, 312.627.



This preview shows how white text looks on a background with the CIELCh color 48, 10.829, 312.627.

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

48, 10.829, 312.627

Protanopia

48, 9.457, 286.814

Deuteranopia

48, 9.994, 309.608



Tritanopia
48, 5.518, 321.276

Trichromacy



Original Color
48, 10.829, 312.627

Protanomaly
48, 9.496, 296.091

Deuteranomaly
48, 10.125, 311.732

Tritanomaly
48, 7.972, 317.675

Monochromacy



Original Color
48, 10.829, 312.627

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 4.447, 311.735

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 10.829, 312.627 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(120, 110, 127)` looks like.

```
.text, #text, p{  
    color:rgb(120, 110, 127)  
}
```

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(120, 110, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 110, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 10.829, 312.627 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(120, 110, 127) }
```

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

```
.border{ border-color:rgb(120, 110, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 110, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 110, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 110, 127);  
box-shadow:4px 4px 4px 4px rgb(120, 110,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 10.829, 312.627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 110, 127) }
```

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

```
.background{ background-color: rgb(120,  
110, 127) }
```

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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