

Converting Colors

CIELCh(47, 13.647, 296.880)

Have a look what the booklet for
CIELCh(47, 13.647, 296.880)
contains.

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Color

CIELCh(47, 13.707, 296.742)

Conversions

Conversions Part 1

Format	Color
Hex	706D84
RGB	112, 109, 132
RGB Percent	44%, 43%, 52%
CMY	0.5611, 0.5729, 0.4827
CMYK	0.15, 0.17, 0.00, 0.48
HSL	248°, 10%, 47%
HSV	248°, 17%, 52%
XYZ	16.2872, 16.0195, 24.0290
YIQ	112.5190, -5.5950, 7.7890

Conversions

Conversions Part 2

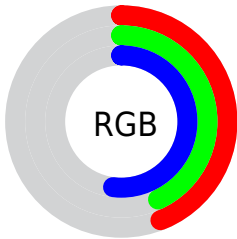
Format	Color
R_{YB}	112, 109, 132
Decimal	7368068
CIE _{Lab}	47.00, 6.17, -12.24
CIE _{LCh}	47, 13.707, 296.742
Yxy	16.0195, 0.2891, 0.2844
Android (android.graphics.Color)	4285558148 (0xFF706D84)
YUV	112.5190, 9.6041, -0.4552
Hunter-Lab	40.0243, 2.5951, -7.5783

Details

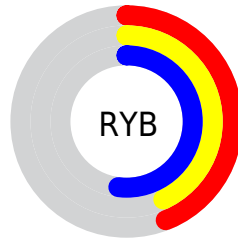
The CIELCh color $[47, 13.707, 296.742]$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $[54, 13.203, 114.000]$, and the grayscale version is $[47, 0.006, 296.813]$.

A 20% lighter version of the original color is $[67, 13.939, 297.507]$, and $[27, 13.730, 296.156]$ is the 20% darker color. If you saturate the color by 10%, you get $[42, 21.988, 297.750]$, and if you desaturate by 10%, it is $[52, 5.737, 295.867]$.

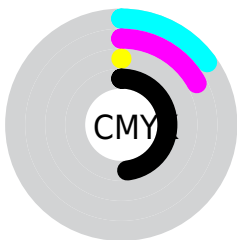
Distribution



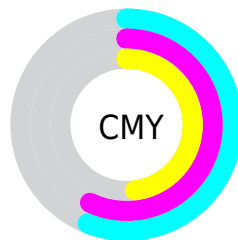
- Red (44%)
- Green (43%)
- Blue (52%)



- Red (44%)
- Yellow (43%)
- Blue (52%)



- Cyan (15%)
- Magenta (17%)
- Yellow (0%)
- Black (48%)





- Cyan (56%)
- Magenta (57%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 13.707, 296.742 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, 13.707, 296.742 by changing the saturation by 10% instead.


 47, 13.707,
296.742


 47, 13.707,
296.742


 100, 13.707,
296.742


 37, 13.707,
296.742

 67, 13.707,
296.742


 27, 13.707,
296.742

 77, 13.707,
296.742

 17, 13.707,
296.742


 87, 13.707,
296.742

 7, 13.707, 296.742

 97, 13.707,
296.742

 0, 13.707, 296.742

 47, 13.707,

 47, 13.707,

296.742

42, 21.988,
297.750

38, 30.589,
298.907

33, 39.491,
300.213

29, 48.618,
301.648

24, 57.765,
303.151

20, 66.494,
304.599

17, 74.013,
305.790

15, 79.732,
306.641

296.742

52, 5.737, 295.867

56, 1.935, 115.105

61, 9.328, 114.460

65, 16.461,
113.901

70, 23.351,
113.419

74, 30.014,
113.003

79, 36.464,
112.643

83, 42.716,
112.331

88, 48.782,

■ 14, 81.216,
306.915

112.060

Harmonies

Complementary

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



47, 13.707, 296.742



54, 13.203, 114.000

Rectangle

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



47, 13.707, 296.742



47, 13.707, 346.742



47, 13.707, 116.742



47, 13.707, 166.742

Sweetspot

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



47, 13.706, 296.740



67, 4.749, 295.683



53, 7.787, 210.249



35, 3.269, 295.730



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



47, 13.706, 296.740



58, 20.555, 297.131



48, 14.708, 313.745



25, 4.385, 296.006



14, 80.380, 306.923



0, 1.034, 295.293

Inverse Universe

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



49, 14.894, 329.195



61, 22.188, 329.433



53, 14.461, 132.312



26, 4.819, 328.702



29, 63.503, 334.011



0, 1.147, 328.210

Previews

White Background



This preview shows how the CIELCh color 47, 13.707, 296.742 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, 13.707, 296.742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

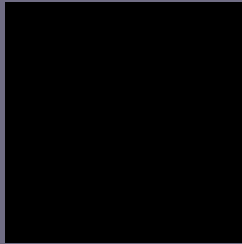
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

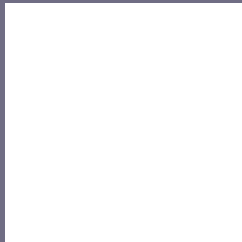
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 13.707, 296.742

Background



This preview shows how black text looks on a background with the CIELCh color 47, 13.707, 296.742.



This preview shows how white text looks on a background with the CIELCh color 47, 13.707, 296.742.

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, 13.707, 296.742

Protanopia

47, 13.649, 287.332

Deuteranopia

47, 13.707, 296.742



Tritanopia
47, 5.338, 286.687

Trichromacy



Original Color
47, 13.707, 296.742

Protanomaly
47, 13.623, 290.441

Deuteranomaly
47, 13.707, 296.742

Tritanomaly
47, 8.315, 293.981

Monochromacy



Original Color
47, 13.707, 296.742

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 4.761, 295.600

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 13.707, 296.742 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(112, 109, 132)` looks like.

```
.text, #text, p{  
    color:rgb(112, 109, 132)  
}
```

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(112, 109, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 109, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 13.707, 296.742 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(112, 109, 132) }
```

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

```
.border{ border-color:rgb(112, 109, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 109, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 109, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 109, 132);  
box-shadow:4px 4px 4px 4px rgb(112, 109,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 13.707, 296.742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 109, 132) }
```

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

```
.background{ background-color: rgb(112,  
109, 132) }
```

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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