

Converting Colors

CIELCh(47, 18.343, 292.693)

Have a look what the booklet for
CIELCh(47, 18.343, 292.693)
contains.

CIELCh(47, 18.373, 292.630)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(47, 18.373, 292.630)

Conversions

Conversions Part 1

Format	Color
Hex	6D6D8C
RGB	109, 109, 140
RGB Percent	43%, 43%, 55%
CMY	0.5733, 0.5733, 0.4518
CMYK	0.22, 0.22, 0.00, 0.45
HSL	240°, 12%, 49%
HSV	240°, 22%, 55%
XYZ	16.4464, 16.0195, 26.9540
YIQ	112.5340, -9.9510, 9.6410

Conversions

Conversions Part 2

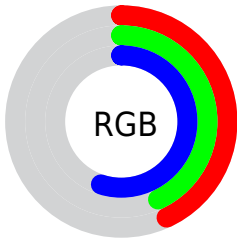
Format	Color
R _Y B	109, 109, 140
Decimal	7171468
CIE Lab	47.00, 7.07, -16.96
CIE LCh	47, 18.373, 292.630
Yxy	16.0195, 0.2768, 0.2696
Android (android.graphics.Color)	4285361548 (0xFF6D6D8C)
YUV	112.5340, 13.5407, -3.0993
Hunter-Lab	40.0243, 3.3050, -11.9112

Details

The CIELCh color $47, 18.373, 292.630$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $57, 17.477, 108.097$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 18.826, 293.159$, and $27, 18.226, 292.502$ is the 20% darker color. If you saturate the color by 10%, you get $42, 27.211, 294.051$, and if you desaturate by 10%, it is $52, 9.888, 291.416$.

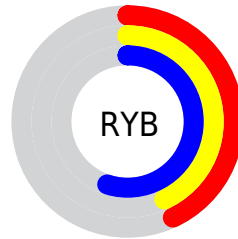
Distribution



Red (43%)

Green (43%)

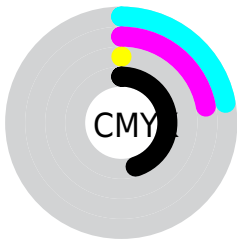
Blue (55%)



Red (43%)

Yellow (43%)

Blue (55%)

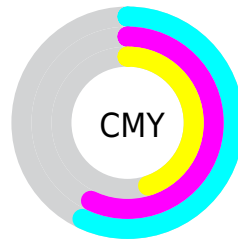


Cyan (22%)

Magenta (22%)

Yellow (0%)

Black (45%)



Cyan (57%)


Magenta (57%)

Yellow (45%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 18.373, 292.630 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, 18.373, 292.630 by changing the saturation by 10% instead.


 47, 18.373,
292.630


 47, 18.373,
292.630


 100, 18.373,
292.630


 37, 18.373,
292.630

 67, 18.373,
292.630


 27, 18.373,
292.630

 77, 18.373,
292.630


 17, 18.373,
292.630


 87, 18.373,
292.630

 7, 18.373, 292.630

 97, 18.373,
292.630

 0, 18.373, 292.630

 47, 18.373,

 47, 18.373,

292.630

42, 27.211,
294.051

37, 36.421,
295.704

32, 45.983,
297.589

27, 55.786,
299.667

23, 65.499,
301.817

19, 74.390,
303.814

16, 81.254,
305.343

15, 85.553,
306.285

292.630

52, 9.888, 291.416

57, 1.736, 290.405

62, 6.110, 109.487

67, 13.673,
108.738

72, 20.971,
108.093

77, 28.023,
107.537

82, 34.845,
107.056

86, 41.452,
106.638

91, 47.857,

Harmonies

Complementary

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



47, 18.373, 292.630



57, 17.477, 108.097

Rectangle

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



47, 18.373, 292.630



47, 18.373, 342.630



47, 18.373, 112.630



47, 18.373, 162.630

Sweetspot

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



47, 18.372, 292.629



69, 6.959, 290.880



56, 11.450, 196.827



36, 4.561, 290.930



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



47, 18.372, 292.629



57, 27.939, 293.370



48, 19.215, 309.514



26, 4.503, 291.087



14, 82.339, 306.285



0, 2.056, 290.173

Inverse Universe

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



49, 13.159, 20.966



60, 20.194, 21.516



56, 18.638, 127.494



27, 3.148, 19.875



27, 63.125, 38.654



0, 1.414, 19.395

Previews

White Background



This preview shows how the CIELCh color 47, 18.373, 292.630 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, 18.373, 292.630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

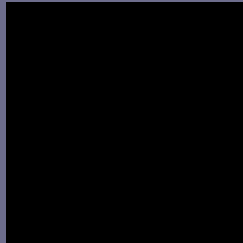
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 47, 18.373, 292.630

Background



This preview shows how black text looks on a background with the CIELCh color 47, 18.373, 292.630.



This preview shows how white text looks on a background with the CIELCh color 47, 18.373, 292.630.

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, 18.373, 292.630

Protanopia

47, 18.426, 285.955

Deuteranopia

47, 18.371, 291.506



Tritanopia
47, 5.924, 263.639

Trichromacy



Original Color
47, 18.373, 292.630

Protanomaly
47, 18.374, 288.145

Deuteranomaly
47, 18.371, 291.506

Tritanomaly
47, 10.199, 280.857

Monochromacy



Original Color
47, 18.373, 292.630

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 6.513, 291.066

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 18.373, 292.630 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(109, 109, 140)` looks like.

```
.text, #text, p{  
    color:rgb(109, 109, 140)  
}
```

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(109, 109, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 109, 140) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 18.373, 292.630 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(109, 109, 140) }
```

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

```
.border{ border-color:rgb(109, 109, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 109, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 109, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 109, 140);  
box-shadow:4px 4px 4px 4px rgb(109, 109,  
140) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 18.373, 292.630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 109, 140) }
```

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

```
.background{ background-color: rgb(109,  
109, 140) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor