

Converting Colors

CIELCh(47, 33.592, 295.867)

Have a look what the booklet for
CIELCh(47, 33.592, 295.867)
contains.

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Color

CIELCh(47, 33.192, 295.619)

Conversions

Conversions Part 1

Format	Color
Hex	6C6AA2
RGB	108, 106, 162
RGB Percent	42%, 42%, 64%
CMY	0.5776, 0.5854, 0.3659
CMYK	0.33, 0.35, 0.00, 0.37
HSL	242°, 23%, 52%
HSV	242°, 35%, 63%
XYZ	17.7700, 16.0195, 36.1981
YIQ	112.9820, -16.7840, 17.8400

Conversions

Conversions Part 2

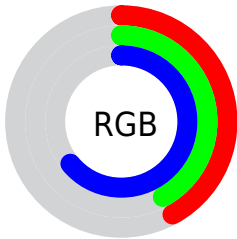
Format	Color
RYB	108, 106, 162
Decimal	7105186
CIELab	47.00, 14.35, -29.93
CIELCh	47, 33.192, 295.619
Yxy	16.0195, 0.2539, 0.2289
Android (android.graphics.Color)	4285295266 (0xFF6C6AA2)
YUV	112.9820, 24.1659, -4.3692
Hunter-Lab	40.0243, 9.2078, -25.6050

Details

The CIELCh color **47, 33.192, 295.619** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **65, 30.506, 108.488**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 33.263, 295.744**, and **27, 33.115, 295.731** is the 20% darker color. If you saturate the color by 10%, you get **41, 43.675, 297.232**, and if you desaturate by 10%, it is **53, 23.119, 294.221**.

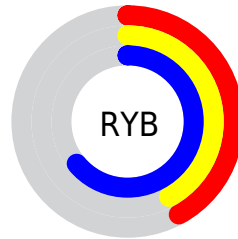
Distribution



Red (42%)

Green (42%)

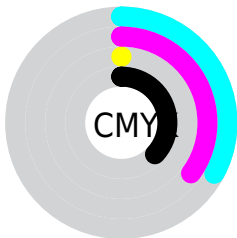
Blue (64%)



Red (42%)

Yellow (42%)

Blue (64%)

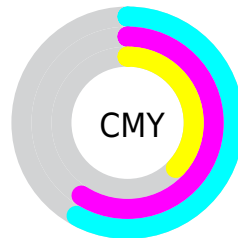


Cyan (33%)

Magenta (35%)

Yellow (0%)

Black (37%)



Cyan (58%)


Magenta (59%)


Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 33.192, 295.619 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, 33.192, 295.619 by changing the saturation by 10% instead.


 47, 33.192,
295.619


 47, 33.192,
295.619


 100, 33.192,
295.619


 37, 33.192,
295.619

 67, 33.192,
295.619


 27, 33.192,
295.619

 77, 33.192,
295.619

 17, 33.192,
295.619

 87, 33.192,
295.619

 7, 33.192, 295.619

 97, 33.192,
295.619

 0, 33.192, 295.619

 47, 33.192,

 47, 33.192,

295.619

■ 41, 43.675,
297.232

■ 36, 54.518,
299.050

■ 31, 65.528,
301.014

■ 26, 76.208,
302.980

■ 22, 85.563,
304.698

■ 20, 92.169,
305.867

■ 19, 94.987,
306.410

295.619

■ 53, 23.119,
294.221

■ 58, 13.453,
293.023

■ 64, 4.171, 292.006

■ 70, 4.755, 111.114

■ 75, 13.350,
110.375

■ 81, 21.639,
109.738

■ 86, 29.642,
109.190

■ 91, 37.378,
108.717

■ 97, 44.866,
108.308

Harmonies

Complementary

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



47, 33.192, 295.619



65, 30.506, 108.488

Rectangle

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



47, 33.192, 295.619



47, 33.192, 345.619



47, 33.192, 115.619



47, 33.192, 165.619

Sweetspot

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



47, 33.191, 295.619



77, 11.250, 292.550



62, 18.508, 201.083



40, 7.679, 292.687



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



47, 33.191, 295.619



55, 50.495, 296.919



50, 34.569, 311.831



32, 5.192, 292.458



16, 87.824, 306.427



0, 7.951, 291.444

Inverse Universe

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



52, 37.177, 327.276



63, 55.128, 327.696



63, 33.074, 128.657



32, 6.118, 325.885



34, 73.975, 329.667



2, 9.397, 325.722

Previews

White Background



This preview shows how the CIELCh color 47, 33.192, 295.619 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, 33.192, 295.619 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

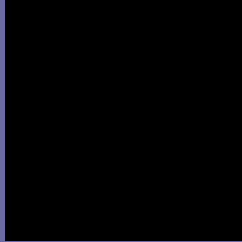
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 33.192, 295.619

Background



This preview shows how black text looks on a background with the CIELCh color 47, 33.192, 295.619.



This preview shows how white text looks on a background with the CIELCh color 47, 33.192, 295.619.

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

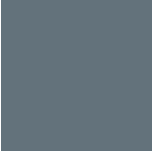
47, 33.192, 295.619

Protanopia

47, 32.715, 285.085

Deuteranopia

47, 30.468, 283.365



Tritanopia
47, 7.682, 243.025

Trichromacy



Original Color
47, 33.192, 295.619

Protanomaly
47, 33.183, 289.017

Deuteranomaly
47, 31.440, 288.427

Tritanomaly
47, 15.639, 280.237

Monochromacy



Original Color
47, 33.192, 295.619

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 12.453, 293.589

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 33.192, 295.619 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(108, 106, 162)` looks like.

```
.text, #text, p{  
    color:rgb(108, 106, 162)  
}
```

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(108, 106, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 106, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 33.192, 295.619 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(108, 106, 162) }
```

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

```
.border{ border-color:rgb(108, 106, 162) }
```

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

Here you see how a box with a 4 pixel rgb(108, 106, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 106, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 106, 162);  
box-shadow:4px 4px 4px 4px rgb(108, 106,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 33.192, 295.619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 106, 162) }
```

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

```
.background{ background-color: rgb(108,  
106, 162) }
```

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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