

Converting Colors

CIELCh(47, 36.611, 302.663)

Have a look what the booklet for
CIELCh(47, 36.611, 302.663)
contains.

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Color

CIELCh(47, 36.611, 302.663)

Conversions

Conversions Part 1

Format	Color
Hex	7566A3
RGB	117, 102, 163
RGB Percent	46%, 40%, 64%
CMY	0.5400, 0.5988, 0.3595
CMYK	0.28, 0.37, 0.00, 0.36
HSL	255°, 25%, 52%
HSV	255°, 37%, 64%
XYZ	18.7974, 16.0195, 36.9021
YIQ	113.4390, -10.6410, 22.1510

Conversions

Conversions Part 2

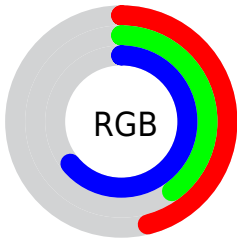
Format	Color
R_{YB}	117, 102, 163
Decimal	7693987
CIE _{Lab}	47.00, 19.76, -30.82
CIE _{LCh}	47, 36.611, 302.663
Yxy	16.0195, 0.2621, 0.2234
Android (android.graphics.Color)	4285884067 (0xFF7566A3)
YUV	113.4390, 24.4336, 3.1230
Hunter-Lab	40.0243, 13.7898, -26.6479

Details

The CIELCh color $47, 36.611, 302.663$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $65, 33.756, 117.444$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 36.555, 302.538$, and $27, 36.648, 302.881$ is the 20% darker color. If you saturate the color by 10%, you get $42, 47.161, 303.669$, and if you desaturate by 10%, it is $52, 26.345, 301.749$.

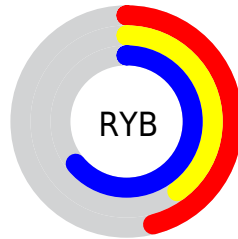
Distribution



Red (46%)

Green (40%)

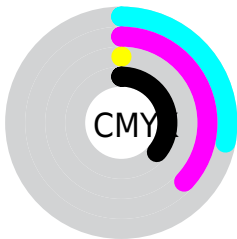
Blue (64%)



Red (46%)

Yellow (40%)

Blue (64%)

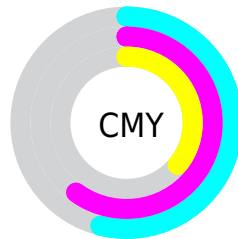


Cyan (28%)

Magenta (37%)

Yellow (0%)

Black (36%)



Cyan (54%)


Magenta (60%)

Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 36.611, 302.663 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, 36.611, 302.663 by changing the saturation by 10% instead.


 47, 36.611,
302.663


 47, 36.611,
302.663


 100, 36.611,
302.663


 37, 36.611,
302.663

 67, 36.611,
302.663


 27, 36.611,
302.663

 77, 36.611,
302.663

 17, 36.611,
302.663

 87, 36.611,
302.663

 7, 36.611, 302.663

 97, 36.611,
302.663

 0, 36.611, 302.663

 47, 36.611,

 47, 36.611,

302.663

42, 47.161,
303.669

37, 57.861,
304.739

32, 68.415,
305.808

27, 78.266,
306.763

24, 86.512,
307.428

21, 92.322,
307.679

20, 93.751,
307.767

302.663

52, 26.345,
301.749

58, 16.418,
300.936

63, 6.842, 300.221


69, 2.391, 119.614

74, 11.297,
119.068

79, 19.893,
118.603

84, 28.197,
118.201

90, 36.230,
117.856

 95, 44.007,
117.559

Harmonies

Complementary

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



47, 36.611, 302.663



65, 33.756, 117.444

Rectangle

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



47, 36.611, 302.663



47, 36.611, 352.663



47, 36.611, 122.663



47, 36.611, 172.663

Sweetspot

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



47, 36.610, 302.663



77, 12.702, 300.485



59, 17.371, 226.055



40, 8.622, 300.576



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



47, 36.610, 302.663



55, 55.203, 303.509



50, 38.992, 318.351



32, 5.268, 300.350



18, 85.976, 307.847



1, 8.056, 298.872

Inverse Universe

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



51, 34.981, 334.721



62, 51.513, 335.367



63, 38.090, 134.916



32, 5.279, 332.748



32, 63.169, 340.788



1, 7.853, 334.260

Previews

White Background



This preview shows how the CIELCh color 47, 36.611, 302.663 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, 36.611, 302.663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

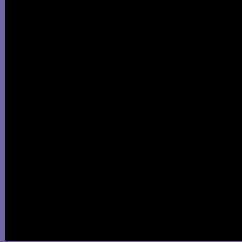
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 36.611, 302.663

Background



This preview shows how black text looks on a background with the CIELCh color 47, 36.611, 302.663.

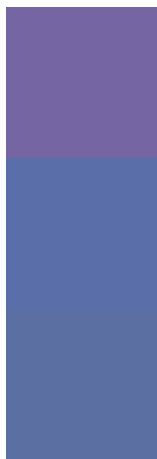


This preview shows how white text looks on a background with the CIELCh color 47, 36.611, 302.663.

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, 36.611, 302.663

Protanopia

47, 35.115, 284.758

Deuteranopia

47, 30.517, 282.223



Tritanopia
47, 5.375, 282.517

Trichromacy



Original Color
47, 36.611, 302.663

Protanomaly
47, 35.506, 291.234

Deuteranomaly
47, 31.962, 290.290

Tritanomaly
47, 16.712, 297.494

Monochromacy



Original Color
47, 36.611, 302.663

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 13.191, 300.182

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 36.611, 302.663 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(117, 102, 163)` looks like.

```
.text, #text, p{  
    color:rgb(117, 102, 163)  
}
```

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(117, 102, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 102, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 36.611, 302.663 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(117, 102, 163) }
```

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

```
.border{ border-color:rgb(117, 102, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 102, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 102, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 102, 163);  
box-shadow:4px 4px 4px 4px rgb(117, 102,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 36.611, 302.663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 102, 163) }
```

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

```
.background{ background-color: rgb(117,  
102, 163) }
```

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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