

Converting Colors

CIELCh(47, 42.976, 296.134)

Have a look what the booklet for
CIELCh(47, 42.976, 296.134)
contains.

CIELCh(47, 42.606, 296.024)	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, 42.606, 296.024)

Conversions

Conversions Part 1

Format	Color
Hex	6968B0
RGB	105, 104, 176
RGB Percent	41%, 41%, 69%
CMY	0.5885, 0.5924, 0.3101
CMYK	0.40, 0.41, 0.00, 0.31
HSL	241°, 31%, 55%
HSV	241°, 41%, 69%
XYZ	18.5919, 16.0195, 43.1516
YIQ	112.5070, -22.5160, 22.6040

Conversions

Conversions Part 2

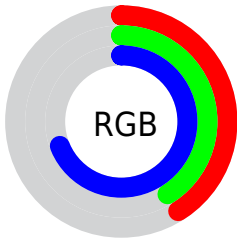
Format	Color
R_{YB}	105, 104, 176
Decimal	6908080
CIE _{Lab}	47.00, 18.69, -38.29
CIE _{LCh}	47, 42.606, 296.024
Yxy	16.0195, 0.2391, 0.2060
Android (android.graphics.Color)	4285098160 (0xFF6968B0)
YUV	112.5070, 31.3020, -6.5836
Hunter-Lab	40.0243, 12.8732, -35.9055

Details

The CIELCh color $47, 42.606, 296.024$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $70, 38.364, 106.933$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 42.645, 296.050$, and $27, 42.727, 296.006$ is the 20% darker color. If you saturate the color by 10%, you get $41, 54.119, 297.878$, and if you desaturate by 10%, it is $53, 31.520, 294.402$.

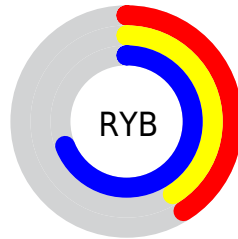
Distribution



Red (41%)

Green (41%)

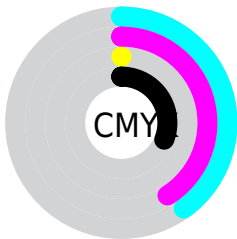
Blue (69%)



Red (41%)

Yellow (41%)

Blue (69%)

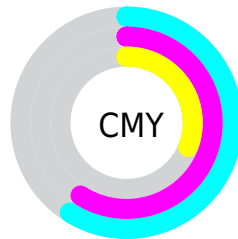


Cyan (40%)

Magenta (41%)

Yellow (0%)

Black (31%)



Cyan (59%)


Magenta (59%)

Yellow (31%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 42.606, 296.024 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, 42.606, 296.024 by changing the saturation by 10% instead.

 47, 42.606,
296.024


 47, 42.606,
296.024


 100, 42.606,
296.024


 37, 42.606,
296.024

 67, 42.606,
296.024


 27, 42.606,
296.024

 77, 42.606,
296.024

 17, 42.606,
296.024

 87, 42.606,
296.024

 7, 42.606, 296.024

 97, 42.606,
296.024

 0, 42.606, 296.024

 47, 42.606,

 47, 42.606,

296.024

41, 54.119,
297.878

35, 65.924,
299.923

30, 77.614,
302.038

26, 88.283,
303.993

22, 96.438,
305.465

21, 101.226,
306.330

296.024

53, 31.520,
294.402

59, 20.887,
293.009

65, 10.687,
291.823


71, 0.891, 290.868

77, 8.531, 109.942

83, 17.607,
109.212

89, 26.362,
108.586

95, 34.818,
108.047

 98, 39.640,
107.153

Harmonies

Complementary

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



47, 42.606, 296.024



70, 38.364, 106.933

Rectangle

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



47, 42.606, 296.024



47, 42.606, 346.024



47, 42.606, 116.024



47, 42.606, 166.024

Sweetspot

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



47, 42.605, 296.024



82, 14.613, 291.965



67, 23.576, 197.501



42, 9.707, 292.107



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



47, 42.605, 296.024



54, 64.505, 297.671



50, 43.822, 311.095



33, 5.458, 291.648



17, 90.194, 306.339



1, 11.349, 290.622

Inverse Universe

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



54, 47.451, 326.985



66, 69.447, 327.408



68, 41.339, 127.175



34, 6.529, 325.294



35, 77.136, 328.780



2, 13.665, 324.987

Previews

White Background



This preview shows how the CIELCh color 47, 42.606, 296.024 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, 42.606, 296.024 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

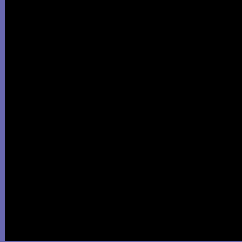
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 42.606, 296.024

Background



This preview shows how black text looks on a background with the CIELCh color 47, 42.606, 296.024.

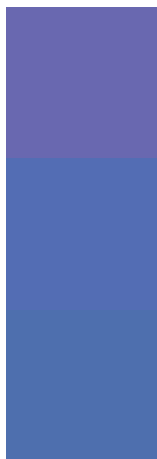


This preview shows how white text looks on a background with the CIELCh color 47, 42.606, 296.024.

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, 42.606, 296.024

Protanopia

47, 42.207, 285.632

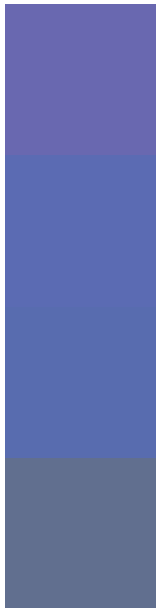
Deuteranopia

47, 37.886, 280.709



Tritanopia
47, 9.913, 231.316

Trichromacy



Original Color
47, 42.606, 296.024

Protanomaly
47, 42.616, 289.415

Deuteranomaly
47, 39.795, 286.880

Tritanomaly
47, 19.397, 278.169

Monochromacy



Original Color
47, 42.606, 296.024

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 15.420, 292.252

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 42.606, 296.024 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(105, 104, 176)` looks like.

```
.text, #text, p{  
    color:rgb(105, 104, 176)  
}
```

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(105, 104, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 104, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 42.606, 296.024 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(105, 104, 176) }
```

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

```
.border{ border-color:rgb(105, 104, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 104, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 104, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 104, 176);  
box-shadow:4px 4px 4px 4px rgb(105, 104,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 42.606, 296.024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 104, 176) }
```

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

```
.background{ background-color: rgb(105,  
104, 176) }
```

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