

Converting Colors

CIELCh(47, 43.317, 296.213)

Have a look what the booklet for
CIELCh(47, 43.317, 296.213)
contains.

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Color

CIELCh(47, 43.184, 296.080)

Conversions

Conversions Part 1

Format	Color
Hex	6968B1
RGB	105, 104, 177
RGB Percent	41%, 41%, 69%
CMY	0.5890, 0.5929, 0.3067
CMYK	0.41, 0.41, 0.00, 0.31
HSL	241°, 32%, 55%
HSV	241°, 41%, 69%
XYZ	18.6479, 16.0195, 43.5944
YIQ	112.6210, -22.8370, 22.9150

Conversions

Conversions Part 2

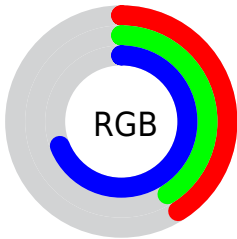
Format	Color
R_{YB}	105, 104, 177
Decimal	6908081
CIE _{Lab}	47.00, 18.98, -38.79
CIE _{LCh}	47, 43.184, 296.080
Yxy	16.0195, 0.2383, 0.2047
Android (android.graphics.Color)	4285098161 (0xFF6968B1)
YUV	112.6210, 31.7388, -6.6836
Hunter-Lab	40.0243, 13.1233, -36.5616

Details

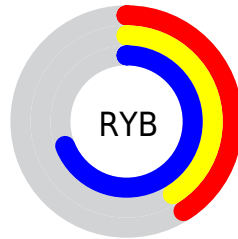
The CIELCh color $47, 43.184, 296.080$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $71, 38.837, 106.885$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 43.190, 296.073$, and $27, 43.346, 296.130$ is the 20% darker color. If you saturate the color by 10%, you get $41, 54.758, 297.944$, and if you desaturate by 10%, it is $53, 32.037, 294.448$.

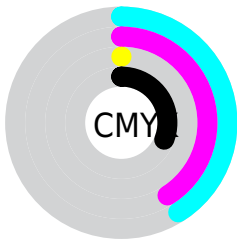
Distribution



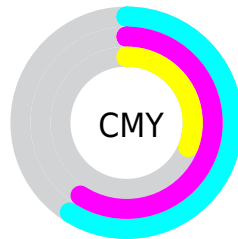
- Red (41%)
- Green (41%)
- Blue (69%)



- Red (41%)
- Yellow (41%)
- Blue (69%)



- Cyan (41%)
- Magenta (41%)
- Yellow (0%)
- Black (31%)



- Cyan (59%)
- Magenta (59%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 43.184, 296.080 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, 43.184, 296.080 by changing the saturation by 10% instead.

■ 47, 43.184,
296.080

■ 47, 43.184,
296.080

■ 100, 43.184,
296.080

■ 37, 43.184,
296.080

■ 67, 43.184,
296.080

■ 27, 43.184,
296.080

■ 77, 43.184,
296.080

■ 17, 43.184,
296.080

■ 87, 43.184,
296.080

■ 7, 43.184, 296.080

■ 97, 43.184,
296.080

■ 0, 43.184, 296.080

■ 47, 43.184,

■ 47, 43.184,

296.080

296.080

41, 54.758,
297.944

53, 32.037,
294.448

35, 66.615,
299.997

59, 21.345,
293.045

30, 78.334,
302.114

65, 11.090,
291.851

26, 88.979,
304.058

71, 1.241, 290.872

77, 8.232, 109.957


22, 97.034,
305.507

83, 17.356,
109.223

21, 101.593,
306.329

89, 26.156,
108.592

95, 34.656,
108.050

 98, 39.220,
107.185

Harmonies

Complementary

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



47, 43.184, 296.080



71, 38.837, 106.885

Rectangle

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



47, 43.184, 296.080



47, 43.184, 346.080



47, 43.184, 116.080



47, 43.184, 166.080

Sweetspot

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



47, 43.183, 296.080



82, 14.613, 291.953



68, 23.836, 197.487



42, 9.707, 292.095



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, 43.183, 296.080



54, 65.955, 297.862



50, 44.395, 311.115



34, 5.591, 291.640



17, 91.315, 306.337



1, 13.318, 290.589

Inverse Universe

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



54, 48.043, 326.994



65, 70.717, 327.444



68, 41.854, 127.158



35, 6.689, 325.287



36, 78.109, 328.768



3, 16.034, 324.996

Previews

White Background



This preview shows how the CIELCh color 47, 43.184, 296.080 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, 43.184, 296.080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

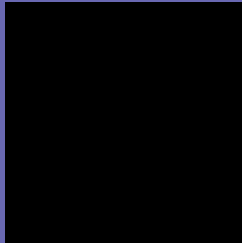
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 47, 43.184, 296.080

Background



This preview shows how black text looks on a background with the CIELCh color 47, 43.184, 296.080.

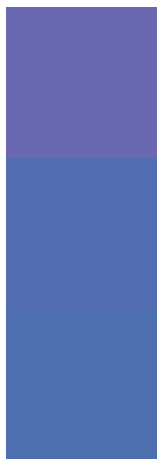


This preview shows how white text looks on a background with the CIELCh color 47, 43.184, 296.080.

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, 43.184, 296.080

Protanopia

47, 42.774, 285.875

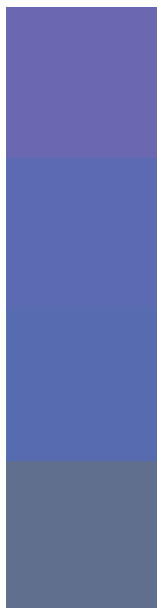
Deuteranopia

47, 38.488, 280.705



Tritanopia
47, 9.913, 231.316

Trichromacy



Original Color
47, 43.184, 296.080

Protanomaly
47, 42.616, 289.415

Deuteranomaly
47, 40.397, 286.734

Tritanomaly
47, 19.397, 278.169

Monochromacy



Original Color
47, 43.184, 296.080

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 16.011, 292.328

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 43.184, 296.080 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, 177)` looks like.

```
.text, #text, p{  
    color:rgb(105, 104, 177)  
}
```

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, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 104, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 43.184, 296.080 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, 177) }
```

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

```
.border{ border-color:rgb(105, 104, 177) }
```

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, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 104, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 104, 177);  
box-shadow:4px 4px 4px 4px rgb(105, 104,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 43.184, 296.080 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, 177) }
```

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

```
.background{ background-color: rgb(105,  
104, 177) }
```

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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