

Converting Colors

CIELCh(47, 33.046, 305.731)

Have a look what the booklet for
CIELCh(47, 33.046, 305.731)
contains.

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Color

CIELCh(47, 33.373, 305.689)

Conversions

Conversions Part 1

Format	Color
Hex	79669D
RGB	121, 102, 157
RGB Percent	47%, 40%, 62%
CMY	0.5253, 0.5998, 0.3841
CMYK	0.23, 0.35, 0.00, 0.38
HSL	261°, 22%, 51%
HSV	261°, 35%, 62%
XYZ	18.7414, 16.0195, 34.0299
YIQ	113.9510, -6.3310, 21.1330

Conversions

Conversions Part 2

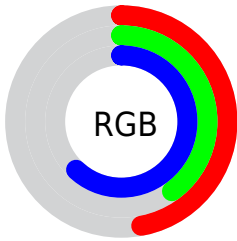
Format	Color
R_{YB}	121, 102, 157
Decimal	7956125
CIE _{Lab}	47.00, 19.47, -27.11
CIE _{LCh}	47, 33.373, 305.689
Yxy	16.0195, 0.2724, 0.2329
Android (android.graphics.Color)	4286146205 (0xFF79669D)
YUV	113.9510, 21.2232, 6.1820
Hunter-Lab	40.0243, 13.5401, -22.3931

Details

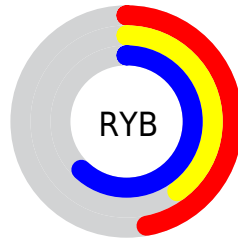
The CIELCh color $47, 33.373, 305.689$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $62, 31.249, 121.639$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 33.559, 305.567$, and $27, 33.046, 305.731$ is the 20% darker color. If you saturate the color by 10%, you get $42, 43.491, 306.456$, and if you desaturate by 10%, it is $52, 23.476, 304.977$.

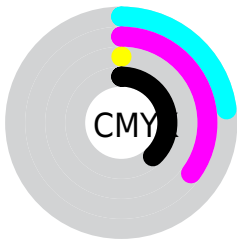
Distribution



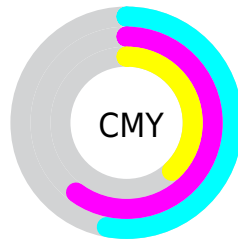
- Red (47%)
- Green (40%)
- Blue (62%)



- Red (47%)
- Yellow (40%)
- Blue (62%)



- Cyan (23%)
- Magenta (35%)
- Yellow (0%)
- Black (38%)



- Cyan (53%)
- Magenta (60%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 33.373, 305.689 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, 33.373, 305.689 by changing the saturation by 10% instead.

■ 47, 33.373,
305.689

■ 47, 33.373,
305.689

■ 100, 33.373,
305.689

■ 37, 33.373,
305.689

■ 67, 33.373,
305.689

■ 27, 33.373,
305.689

■ 77, 33.373,
305.689

■ 17, 33.373,
305.689

■ 87, 33.373,
305.689

■ 7, 33.373, 305.689

■ 97, 33.373,
305.689

■ 0, 33.373, 305.689

■ 47, 33.373,

■ 47, 33.373,

305.689

42, 43.491,
306.456

37, 53.696,
307.249

33, 63.724,
308.018

28, 73.111,
308.671

25, 81.143,
309.077

22, 86.988,
309.091

21, 89.537,
309.090

305.689

52, 23.476,
304.977

57, 13.864,
304.332

62, 4.561, 303.750


67, 4.432, 123.268

72, 13.124,
122.817

77, 21.528,
122.430

82, 29.658,
122.096

87, 37.531,
121.808

 92, 45.162,
121.560

Harmonies

Complementary

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



47, 33.373, 305.689



62, 31.249, 121.639

Rectangle

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



47, 33.373, 305.689



47, 33.373, 355.689



47, 33.373, 125.689



47, 33.373, 175.689

Sweetspot

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



47, 33.372, 305.689



75, 12.486, 304.103



56, 16.004, 239.825



39, 8.387, 304.176



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



47, 33.372, 305.689



56, 50.065, 306.282



50, 36.142, 321.343



31, 5.198, 303.990



19, 83.431, 309.172



1, 6.688, 302.835

Inverse Universe

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



50, 29.743, 338.860



61, 43.882, 339.570



60, 35.709, 137.859



31, 4.789, 336.793



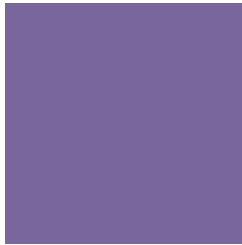
31, 58.563, 347.818



1, 6.066, 337.673

Previews

White Background



This preview shows how the CIELCh color 47, 33.373, 305.689 looks on a white background.

Color Contrast Check

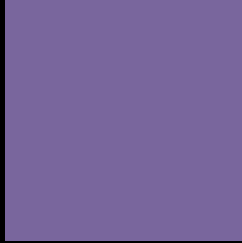
Large Text (above 18pt) WCAG AA ✓ Pass

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, 33.373, 305.689 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

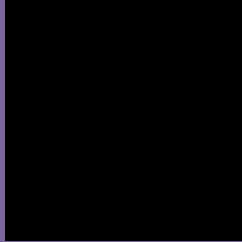
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 33.373, 305.689

Background



This preview shows how black text looks on a background with the CIELCh color 47, 33.373, 305.689.



This preview shows how white text looks on a background with the CIELCh color 47, 33.373, 305.689.

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, 33.373, 305.689

Protanopia

47, 31.531, 285.049

Deuteranopia

47, 26.814, 284.479



Tritanopia
47, 5.588, 307.431

Trichromacy



Original Color
47, 33.373, 305.689

Protanomaly
47, 31.968, 292.595

Deuteranomaly
47, 29.035, 293.329

Tritanomaly
47, 15.949, 305.968

Monochromacy



Original Color
47, 33.373, 305.689

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 12.176, 304.499

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 33.373, 305.689 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(121, 102, 157)` looks like.

```
.text, #text, p{  
    color:rgb(121, 102, 157)  
}
```

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(121, 102, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 102, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 33.373, 305.689 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(121, 102, 157) }
```

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

```
.border{ border-color:rgb(121, 102, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 102, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 102, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 102, 157);  
box-shadow:4px 4px 4px 4px rgb(121, 102,  
157) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 33.373, 305.689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 102, 157) }
```

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

```
.background{ background-color: rgb(121,  
102, 157) }
```

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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