

Converting Colors

CIELCh(47, 45.254, 303.889)

Have a look what the booklet for
CIELCh(47, 45.254, 303.889)
contains.

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Color

CIELCh(47, 45.523, 303.810)

Conversions

Conversions Part 1

Format	Color
Hex	7763AF
RGB	119, 99, 175
RGB Percent	47%, 39%, 69%
CMY	0.5323, 0.6108, 0.3126
CMYK	0.32, 0.43, 0.00, 0.31
HSL	256°, 32%, 54%
HSV	256°, 43%, 69%
XYZ	19.8968, 16.0195, 42.7460
YIQ	113.6440, -12.4760, 27.8760

Conversions

Conversions Part 2

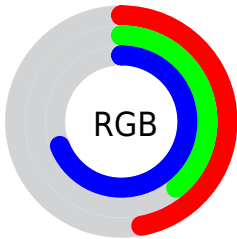
Format	Color
R_{YB}	119, 99, 175
Decimal	7824303
CIE _{Lab}	47.00, 25.33, -37.82
CIE _{LCh}	47, 45.523, 303.810
Yxy	16.0195, 0.2529, 0.2036
Android (android.graphics.Color)	4286014383 (0xFF7763AF)
YUV	113.6440, 30.2485, 4.6972
Hunter-Lab	40.0243, 18.6929, -35.3047

Details

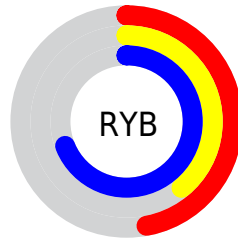
The CIELCh color $47, 45.523, 303.810$ is a dark color, and the websafe version is hex $6666CC$. A complement of this color would be $69, 41.361, 117.812$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 45.561, 303.754$, and $27, 45.507, 303.730$ is the 20% darker color. If you saturate the color by 10%, you get $42, 56.799, 304.818$, and if you desaturate by 10%, it is $53, 34.455, 302.872$.

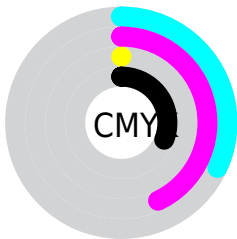
Distribution



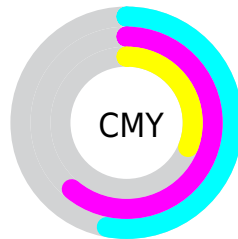
- Red (47%)
- Green (39%)
- Blue (69%)



- Red (47%)
- Yellow (39%)
- Blue (69%)



- Cyan (32%)
- Magenta (43%)
- Yellow (0%)
- Black (31%)





- Cyan (53%)
- Magenta (61%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 45.523, 303.810 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, 45.523, 303.810 by changing the saturation by 10% instead.


 47, 45.523,
303.810


 47, 45.523,
303.810


 100, 45.523,
303.810


 37, 45.523,
303.810

 67, 45.523,
303.810


 27, 45.523,
303.810

 77, 45.523,
303.810

 17, 45.523,
303.810

 87, 45.523,
303.810

 7, 45.523, 303.810

 97, 45.523,
303.810

 0, 45.523, 303.810

 47, 45.523,

 47, 45.523,

303.810

42, 56.799,
304.818

36, 68.042,
305.846

31, 78.768,
306.799

27, 88.158,
307.528

24, 95.112,
307.840

23, 98.577,
307.913

303.810

53, 34.455,
302.872

58, 23.709,
302.025

64, 13.325,
301.273


70, 3.307, 300.608

75, 6.354, 120.051

81, 15.676,
119.552

86, 24.676,
119.124

92, 33.376,
118.755

 97, 40.725,
117.704

Harmonies

Complementary

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



47, 45.523, 303.810



69, 41.361, 117.812

Rectangle

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



47, 45.523, 303.810



47, 45.523, 353.810



47, 45.523, 123.810



47, 45.523, 173.810

Sweetspot

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



47, 45.522, 303.810



81, 15.976, 301.262



61, 20.783, 229.262



42, 11.313, 301.418



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, 45.522, 303.810



54, 68.235, 304.769



51, 48.040, 319.115



34, 5.551, 300.993



19, 87.966, 308.016



1, 11.492, 298.560

Inverse Universe

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



52, 42.238, 335.921



63, 61.379, 336.714



66, 46.878, 135.023



34, 5.483, 333.415



33, 63.984, 341.979



2, 10.821, 336.307

Previews

White Background



This preview shows how the CIELCh color 47, 45.523, 303.810 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, 45.523, 303.810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

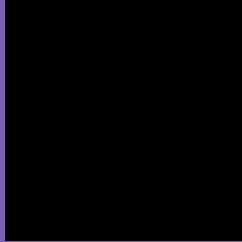
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 45.523, 303.810

Background



This preview shows how black text looks on a background with the CIELCh color 47, 45.523, 303.810.

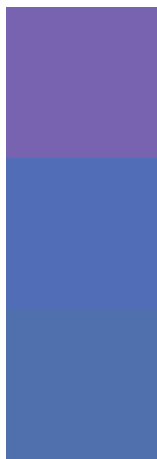


This preview shows how white text looks on a background with the CIELCh color 47, 45.523, 303.810.

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, 45.523, 303.810

Protanopia

47, 44.537, 285.965

Deuteranopia

47, 37.234, 281.095



Tritanopia
47, 5.438, 278.439

Trichromacy



Original Color
47, 45.523, 303.810

Protanomaly
47, 44.935, 292.237

Deuteranomaly
47, 39.670, 289.678

Tritanomaly
47, 19.718, 298.096

Monochromacy



Original Color
47, 45.523, 303.810

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 16.247, 301.574

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 45.523, 303.810 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(119, 99, 175)` looks like.

```
.text, #text, p{  
    color:rgb(119, 99, 175)  
}
```

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(119, 99, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 99, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 45.523, 303.810 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(119, 99, 175) }
```

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

```
.border{ border-color:rgb(119, 99, 175) }
```

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

Here you see how a box with a 4 pixel rgb(119, 99, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 99, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 99, 175);  
box-shadow:4px 4px 4px 4px rgb(119, 99,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 45.523, 303.810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 99, 175) }
```

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

```
.background{ background-color: rgb(119, 99,  
175) }
```

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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