

Converting Colors

CIELCh(47, 16.796, 169.389)

Have a look what the booklet for
CIELCh(47, 16.796, 169.389)
contains.

CIELCh(47, 16.709, 170.095)	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, 16.709, 170.095)

Conversions

Conversions Part 1

Format	Color
Hex	51776A
RGB	81, 119, 106
RGB Percent	32%, 47%, 42%
CMY	0.6819, 0.5329, 0.5839
CMYK	0.32, 0.00, 0.11, 0.53
HSL	159°, 19%, 39%
HSV	159°, 32%, 47%
XYZ	12.6217, 16.0195, 16.0941
YIQ	106.1560, -18.4750, -12.0990

Conversions

Conversions Part 2

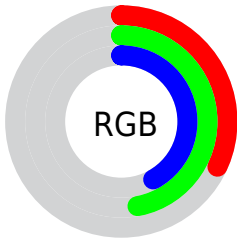
Format	Color
R_{YB}	81, 104, 119
Decimal	5338986
CIE _{Lab}	47.00, -16.46, 2.87
CIE _{LCh}	47, 16.709, 170.095
Yxy	16.0195, 0.2821, 0.3581
Android (android.graphics.Color)	4283529066 (0xFF51776A)
YUV	106.1560, -0.0769, -22.0618
Hunter-Lab	40.0243, -13.7524, 4.1760

Details

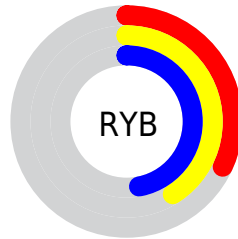
The CIELCh color $47, 16.709, 170.095$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $39, 18.040, 356.406$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 16.419, 169.875$, and $27, 16.334, 170.727$ is the 20% darker color. If you saturate the color by 10%, you get $46, 21.568, 168.958$, and if you desaturate by 10%, it is $48, 11.615, 171.134$.

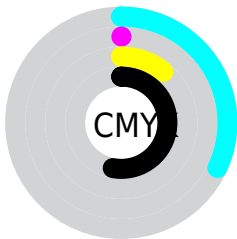
Distribution



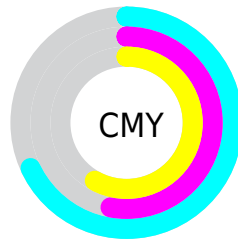
- Red (32%)
- Green (47%)
- Blue (42%)



- Red (32%)
- Yellow (41%)
- Blue (47%)



- Cyan (32%)
- Magenta (0%)
- Yellow (11%)
- Black (53%)





- Cyan (68%)
- Magenta (53%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 16.709, 170.095 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, 16.709, 170.095 by changing the saturation by 10% instead.


 47, 16.709,
170.095


 47, 16.709,
170.095


 100, 16.709,
170.095


 37, 16.709,
170.095

 67, 16.709,
170.095


 27, 16.709,
170.095

 77, 16.709,
170.095

 17, 16.709,
170.095


 87, 16.709,
170.095

 7, 16.709, 170.095

 97, 16.709,
170.095

 0, 16.709, 170.095

 47, 16.709,

 47, 16.709,

170.095

■ 46, 21.568,
168.958

■ 46, 26.107,
167.708

■ 45, 30.248,
166.320

■ 45, 33.926,
164.774

■ 44, 37.098,
163.049

■ 44, 39.760,
161.136

■ 44, 41.744,
159.602

170.095

■ 48, 11.615,
171.134

■ 49, 6.362, 172.108

■ 50, 1.019, 173.252

■ 51, 4.353, 353.695

■ 52, 9.709, 354.512

■ 54, 15.012,
355.259

■ 55, 20.234,
355.963

■ 56, 25.357,
356.633

■ 58, 30.369,
357.272

Harmonies

Complementary

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



47, 16.709, 170.095



39, 18.040, 356.406

Rectangle

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



47, 16.709, 170.095



47, 16.709, 220.095



47, 16.709, 350.095



47, 16.709, 40.095

Sweetspot

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



47, 16.710, 170.093



63, 6.654, 172.266



47, 24.562, 132.718



33, 4.572, 172.157



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



47, 16.710, 170.093



60, 24.471, 169.303



46, 12.197, 214.441



24, 2.974, 172.385



45, 42.614, 159.533



87, 73.888, 158.210

Inverse Universe

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



39, 18.040, 356.406



48, 26.884, 357.379



40, 15.142, 34.380



23, 3.039, 353.844



25, 49.667, 15.046



53, 85.231, 18.370

Previews

White Background



This preview shows how the CIELCh color 47, 16.709, 170.095 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 CIELCh color 47, 16.709, 170.095 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

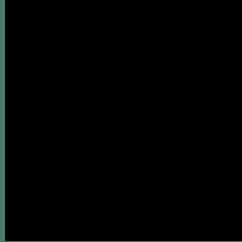
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 16.709, 170.095

Background



This preview shows how black text looks on a background with the CIELCh color 47, 16.709, 170.095.



This preview shows how white text looks on a background with the CIELCh color 47, 16.709, 170.095.

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, 16.709, 170.095

Protanopia

47, 5.559, 91.778

Deuteranopia

47, 6.772, 10.188



Tritanopia
47, 12.461, 226.919

Trichromacy



Original Color
47, 16.709, 170.095

Protanomaly
47, 7.958, 143.926

Deuteranomaly
46, 2.166, 144.377

Tritanomaly
47, 12.241, 203.694

Monochromacy



Original Color
47, 16.709, 170.095

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 6.420, 171.073

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 16.709, 170.095 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(81, 119, 106)` looks like.

```
.text, #text, p{  
    color:rgb(81, 119, 106)  
}
```

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(81, 119, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 119, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 16.709, 170.095 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(81, 119, 106) }
```

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

```
.border{ border-color:rgb(81, 119, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 119, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 119, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 119, 106);  
box-shadow:4px 4px 4px 4px rgb(81, 119,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 16.709, 170.095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 119, 106) }
```

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

```
.background{ background-color: rgb(81, 119,  
106) }
```

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