

Converting Colors

CIELCh(47, 17.699, 158.243)

Have a look what the booklet for
CIELCh(47, 17.699, 158.243)
contains.

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Color

CIELCh(47, 17.723, 158.222)

Conversions

Conversions Part 1

Format	Color
Hex	557764
RGB	85, 119, 100
RGB Percent	33%, 47%, 39%
CMY	0.6670, 0.5337, 0.6082
CMYK	0.29, 0.00, 0.16, 0.53
HSL	146°, 17%, 40%
HSV	146°, 29%, 47%
XYZ	12.6220, 16.0195, 14.4627
YIQ	106.6680, -14.1650, -13.1170

Conversions

Conversions Part 2

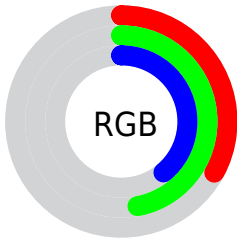
Format	Color
RYB	85, 109, 119
Decimal	5601124
CIELab	47.00, -16.46, 6.58
CIELCh	47, 17.723, 158.222
Yxy	16.0195, 0.2928, 0.3716
Android (android.graphics.Color)	4283791204 (0xFF557764)
YUV	106.6680, -3.2873, -19.0028
Hunter-Lab	40.0243, -13.7512, 6.5927

Details

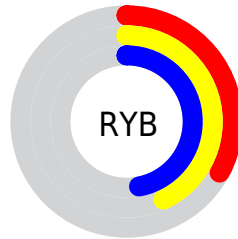
The CIELCh color $47, 17.723, 158.222$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $40, 18.169, 342.937$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 17.565, 159.030$, and $27, 17.675, 158.045$ is the 20% darker color. If you saturate the color by 10%, you get $46, 23.752, 157.171$, and if you desaturate by 10%, it is $48, 11.557, 159.158$.

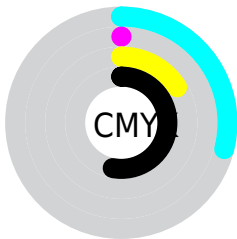
Distribution



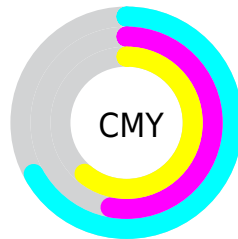
- Red (33%)
- Green (47%)
- Blue (39%)



- Red (33%)
- Yellow (43%)
- Blue (47%)



- Cyan (29%)
- Magenta (0%)
- Yellow (16%)
- Black (53%)




- Cyan (67%)
- Magenta (53%)
- Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 17.723, 158.222 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, 17.723, 158.222 by changing the saturation by 10% instead.

 47, 17.723,
158.222


 47, 17.723,
158.222

 100, 17.723,
158.222


 37, 17.723,
158.222

 67, 17.723,
158.222


 27, 17.723,
158.222

 77, 17.723,
158.222

 17, 17.723,
158.222

 87, 17.723,
158.222

 7, 17.723, 158.222

 97, 17.723,
158.222

 0, 17.723, 158.222

 47, 17.723,

 47, 17.723,

158.222

■ 46, 23.752,
157.171

■ 45, 29.548,
155.986

■ 45, 35.013,
154.643

■ 44, 40.053,
153.125

■ 44, 44.590,
151.417

■ 44, 48.579,
149.521

■ 43, 52.133,
147.576

■ 43, 52.626,
147.324

158.222

■ 48, 11.557,
159.158

■ 49, 5.333, 160.015

■ 50, 0.878, 340.413

■ 51, 7.024, 341.353

■ 53, 13.063,
341.988

■ 54, 18.967,
342.563

■ 56, 24.719,
343.091

■ 57, 30.308,
343.582

■ 59, 35.728,

Harmonies

Complementary

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



47, 17.723, 158.222



40, 18.169, 342.937

Rectangle

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



47, 17.723, 158.222



47, 17.723, 208.222



47, 17.723, 338.222



47, 17.723, 28.222

Sweetspot

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



47, 17.724, 158.221



63, 6.964, 159.961



48, 20.778, 125.377



33, 4.879, 159.859



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, 17.724, 158.221



60, 26.158, 157.577



47, 12.859, 191.993



24, 3.456, 159.978



45, 53.811, 147.250



87, 93.855, 145.924

Inverse Universe

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



40, 18.169, 342.937



50, 26.937, 343.547



40, 15.103, 16.447



23, 3.488, 341.243



26, 50.227, 355.162



54, 84.465, 357.286

Previews

White Background



This preview shows how the CIE LCh color 47, 17.723, 158.222 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, 17.723, 158.222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

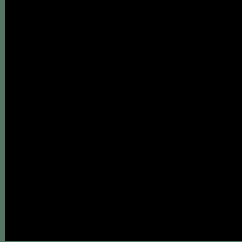
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 17.723, 158.222

Background



This preview shows how black text looks on a background with the CIELCh color 47, 17.723, 158.222.

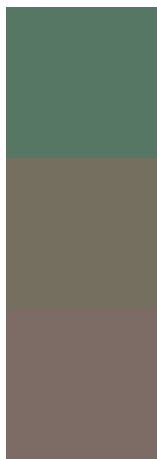


This preview shows how white text looks on a background with the CIELCh color 47, 17.723, 158.222.

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, 17.723, 158.222

Protanopia

47, 9.202, 92.643

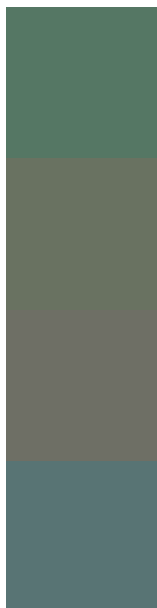
Deuteranopia

47, 8.254, 41.054



Tritanopia
47, 10.760, 232.166

Trichromacy



Original Color
47, 17.723, 158.222

Protanomaly
47, 10.725, 129.474

Deuteranomaly
46, 5.920, 113.418

Tritanomaly
47, 10.616, 198.251

Monochromacy



Original Color
47, 17.723, 158.222

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 6.463, 158.657

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 17.723, 158.222 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(85, 119, 100)` looks like.

```
.text, #text, p{  
    color:rgb(85, 119, 100)  
}
```

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(85, 119, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 119, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 17.723, 158.222 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(85, 119, 100) }
```

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

```
.border{ border-color:rgb(85, 119, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 119, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 119, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 119, 100);  
box-shadow:4px 4px 4px 4px rgb(85, 119,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 17.723, 158.222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 119, 100) }
```

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

```
.background{ background-color: rgb(85, 119,  
100) }
```

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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