

Converting Colors

CIELCh(47, 15.045, 156.935)

Have a look what the booklet for
CIELCh(47, 15.045, 156.935)
contains.

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Color

CIELCh(47, 15.199, 156.447)

Conversions

Conversions Part 1

Format	Color
Hex	5A7665
RGB	90, 118, 101
RGB Percent	35%, 46%, 40%
CMY	0.6477, 0.5379, 0.6046
CMYK	0.24, 0.00, 0.14, 0.54
HSL	144°, 13%, 41%
HSV	144°, 24%, 46%
XYZ	13.0006, 16.0195, 14.6771
YIQ	107.6900, -11.2310, -11.2230

Conversions

Conversions Part 2

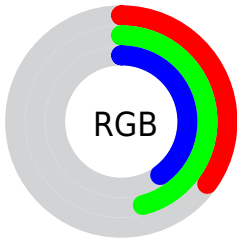
Format	Color
R_{YB}	90, 110, 118
Decimal	5928549
CIE Lab	47.00, -13.93, 6.07
CIE LCh	47, 15.199, 156.447
Yxy	16.0195, 0.2975, 0.3666
Android (android.graphics.Color)	4284118629 (0xFF5A7665)
YUV	107.6900, -3.2982, -15.5141
Hunter-Lab	40.0243, -12.0628, 6.2750

Details

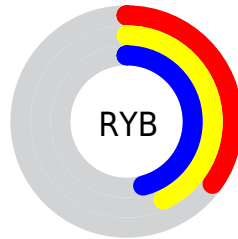
The CIELCh color $47, 15.199, 156.447$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $42, 15.445, 340.077$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 14.887, 156.378$, and $27, 15.774, 155.900$ is the 20% darker color. If you saturate the color by 10%, you get $46, 21.514, 155.480$, and if you desaturate by 10%, it is $48, 8.800, 157.308$.

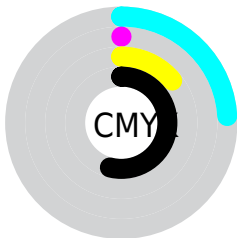
Distribution



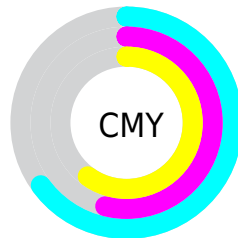
- Red (35%)
- Green (46%)
- Blue (40%)



- Red (35%)
- Yellow (43%)
- Blue (46%)



- Cyan (24%)
- Magenta (0%)
- Yellow (14%)
- Black (54%)





- Cyan (65%)
- Magenta (54%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 15.199, 156.447 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, 15.199, 156.447 by changing the saturation by 10% instead.


 47, 15.199,
156.447


 47, 15.199,
156.447


 100, 15.199,
156.447


 37, 15.199,
156.447

 67, 15.199,
156.447


 27, 15.199,
156.447

 77, 15.199,
156.447


 17, 15.199,
156.447

 87, 15.199,
156.447

 7, 15.199, 156.447

 97, 15.199,
156.447

 0, 15.199, 156.447

 47, 15.199,

 47, 15.199,

156.447

156.447

■ 46, 21.514,
155.480

■ 48, 8.800, 157.308

■ 45, 27.651,
154.387

■ 49, 2.392, 158.142

■ 45, 33.510,
153.145

■ 50, 3.962, 338.653

■ 44, 38.986,
151.735

■ 52, 10.217,
339.304

■ 44, 43.987,
150.143

■ 53, 16.337,
339.870

■ 43, 48.438,
148.367

■ 55, 22.302,
340.384

■ 43, 52.316,
146.436

■ 56, 28.097,
340.855

■ 43, 54.589,
145.316

■ 58, 33.717,
341.291

■ 59, 39.160,

341.695

Harmonies

Complementary

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



47, 15.199, 156.447



42, 15.445, 340.077

Rectangle

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



47, 15.199, 156.447



47, 15.199, 206.447



47, 15.199, 336.447



47, 15.199, 26.447

Sweetspot

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



47, 15.200, 156.446



62, 5.532, 157.843



48, 16.977, 123.733



32, 3.574, 157.811



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



47, 15.200, 156.446



59, 22.937, 155.884



47, 10.952, 188.006



24, 3.581, 157.692



45, 56.213, 145.220



87, 98.041, 143.935

Inverse Universe

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



42, 15.445, 340.077



51, 23.385, 340.588



41, 12.303, 11.983



23, 3.608, 338.902



26, 51.258, 351.133



55, 86.055, 352.917

Previews

White Background



This preview shows how the CIELCh color 47, 15.199, 156.447 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, 15.199, 156.447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

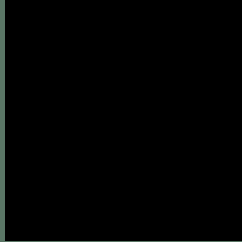
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

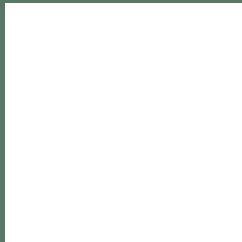
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 15.199, 156.447

Background



This preview shows how black text looks on a background with the CIELCh color 47, 15.199, 156.447.

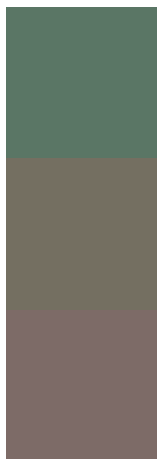


This preview shows how white text looks on a background with the CIELCh color 47, 15.199, 156.447.

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, 15.199, 156.447

Protanopia

47, 8.518, 94.453

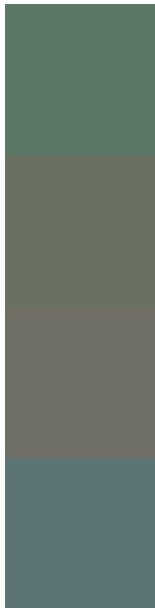
Deuteranopia

47, 8.034, 37.233



Tritanopia
47, 9.334, 233.674

Trichromacy



Original Color
47, 15.199, 156.447

Protanomaly
47, 9.337, 127.326

Deuteranomaly
47, 5.323, 104.914

Tritanomaly
47, 9.198, 198.413

Monochromacy



Original Color
47, 15.199, 156.447

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 6.150, 156.326

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 15.199, 156.447 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(90, 118, 101)` looks like.

```
.text, #text, p{  
    color:rgb(90, 118, 101)  
}
```

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(90, 118, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 118, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 15.199, 156.447 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(90, 118, 101) }
```

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

```
.border{ border-color:rgb(90, 118, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 118, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 118, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 118, 101);  
box-shadow:4px 4px 4px 4px rgb(90, 118,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 15.199, 156.447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 118, 101) }
```

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

```
.background{ background-color: rgb(90, 118,  
101) }
```

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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