

Converting Colors

CIELCh(47, 14.302, 162.470)

Have a look what the booklet for
CIELCh(47, 14.302, 162.470)
contains.

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Color

CIELCh(47, 14.304, 162.480)

Conversions

Conversions Part 1

Format	Color
Hex	597668
RGB	89, 118, 104
RGB Percent	35%, 46%, 41%
CMY	0.6517, 0.5380, 0.5929
CMYK	0.25, 0.00, 0.12, 0.54
HSL	151°, 14%, 41%
HSV	151°, 25%, 46%
XYZ	13.0449, 16.0195, 15.4492
YIQ	107.7330, -12.7900, -10.5020

Conversions

Conversions Part 2

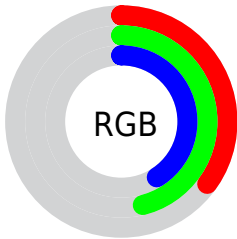
Format	Color
R_{YB}	89, 108, 118
Decimal	5863016
CIE _{Lab}	47.00, -13.64, 4.31
CIE _{LCh}	47, 14.304, 162.480
Yxy	16.0195, 0.2931, 0.3599
Android (android.graphics.Color)	4284053096 (0xFF597668)
YUV	107.7330, -1.8404, -16.4288
Hunter-Lab	40.0243, -11.8652, 5.1314

Details

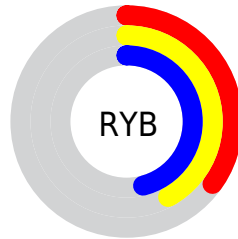
The CIELCh color **47, 14.304, 162.480** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **41, 14.767, 346.721**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 14.061, 162.164**, and **27, 14.739, 162.142** is the 20% darker color. If you saturate the color by 10%, you get **46, 19.965, 161.442**, and if you desaturate by 10%, it is **48, 8.521, 163.419**.

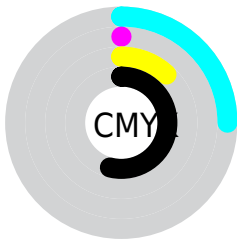
Distribution



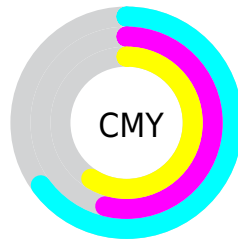
- Red (35%)
- Green (46%)
- Blue (41%)



- Red (35%)
- Yellow (42%)
- Blue (46%)



- Cyan (25%)
- Magenta (0%)
- Yellow (12%)
- Black (54%)




- Cyan (65%)
- Magenta (54%)
- Yellow (59%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 14.304, 162.480 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, 14.304, 162.480 by changing the saturation by 10% instead.

 47, 14.304,
162.480

 47, 14.304,
162.480

 100, 14.304,
162.480


 37, 14.304,
162.480

 67, 14.304,
162.480


 27, 14.304,
162.480

 77, 14.304,
162.480


 17, 14.304,
162.480


 87, 14.304,
162.480

 7, 14.304, 162.480

 97, 14.304,
162.480

 0, 14.304, 162.480

 47, 14.304,

 47, 14.304,

162.480

162.480

■ 46, 19.965,
161.442

■ 48, 8.521, 163.419

■ 45, 25.415,
160.286

■ 49, 2.687, 164.331

■ 45, 30.567,
158.988

■ 50, 3.137, 344.906

■ 44, 35.333,
157.526

■ 53, 14.574,
346.337

■ 44, 39.639,
155.881

■ 54, 20.126,
346.952

■ 43, 43.436,
154.043

■ 56, 25.542,
347.526

■ 43, 46.740,
152.038

■ 57, 30.811,
348.066

■ 43, 48.454,
151.021

■ 59, 35.931,
348.575

Harmonies

Complementary

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



47, 14.304, 162.480



41, 14.767, 346.721

Rectangle

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



47, 14.304, 162.480



47, 14.304, 212.480



47, 14.304, 342.480



47, 14.304, 32.480

Sweetspot

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



47, 14.305, 162.478



62, 5.055, 164.086



48, 18.127, 128.584



32, 3.265, 164.051



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, 14.305, 162.478



59, 21.510, 161.855



47, 10.756, 199.782



24, 3.270, 163.919



45, 49.901, 150.920



87, 86.950, 149.561

Inverse Universe

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



41, 14.767, 346.721



51, 22.374, 347.359



41, 12.592, 22.443



23, 3.312, 345.267



25, 49.233, 1.935



54, 83.202, 4.580

Previews

White Background



This preview shows how the CIELCh color 47, 14.304, 162.480 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, 14.304, 162.480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

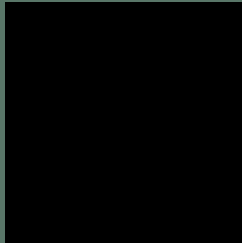
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 14.304, 162.480

Background



This preview shows how black text looks on a background with the CIELCh color 47, 14.304, 162.480.

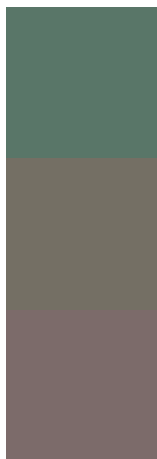


This preview shows how white text looks on a background with the CIELCh color 47, 14.304, 162.480.

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, 14.304, 162.480

Protanopia

47, 6.815, 91.114

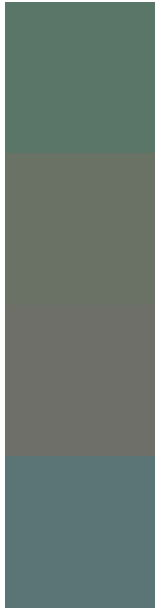
Deuteranopia

47, 7.188, 24.905



Tritanopia
47, 9.623, 232.457

Trichromacy



Original Color
47, 14.304, 162.480

Protanomaly
47, 7.678, 131.511

Deuteranomaly
47, 3.540, 109.677

Tritanomaly
47, 9.521, 201.972

Monochromacy



Original Color
47, 14.304, 162.480

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 5.751, 160.577

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 14.304, 162.480 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(89, 118, 104)` looks like.

```
.text, #text, p{  
    color:rgb(89, 118, 104)  
}
```

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(89, 118, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 118, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 14.304, 162.480 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(89, 118, 104) }
```

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

```
.border{ border-color:rgb(89, 118, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 118, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 118, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 118, 104);  
box-shadow:4px 4px 4px 4px rgb(89, 118,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 14.304, 162.480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 118, 104) }
```

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

```
.background{ background-color: rgb(89, 118,  
104) }
```

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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