

Converting Colors

CIELCh(47, 16.710, 144.220)

Have a look what the booklet for
CIELCh(47, 16.710, 144.220)
contains.

CIELCh(47, 16.152, 144.428)	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, 16.152, 144.428)

Conversions

Conversions Part 1

Format	Color
Hex	5E755F
RGB	94, 117, 95
RGB Percent	37%, 46%, 37%
CMY	0.6302, 0.5400, 0.6263
CMYK	0.20, 0.00, 0.19, 0.54
HSL	123°, 11%, 41%
HSV	123°, 20%, 46%
XYZ	13.1213, 16.0195, 13.2962
YIQ	107.6150, -6.6460, -11.7180

Conversions

Conversions Part 2

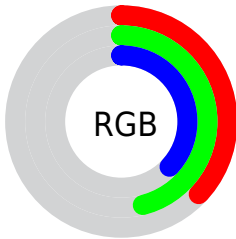
Format	Color
R_{YB}	94, 116, 117
Decimal	6190431
CIE _{Lab}	47.00, -13.14, 9.40
CIE _{LCh}	47, 16.152, 144.428
Yxy	16.0195, 0.3092, 0.3775
Android (android.graphics.Color)	4284380511 (0xFF5E755F)
YUV	107.6150, -6.2192, -11.9404
Hunter-Lab	40.0243, -11.5244, 8.3206

Details

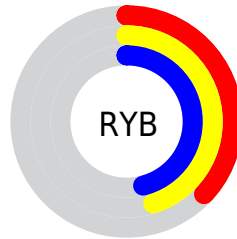
The CIELCh color $47, 16.152, 144.428$ is a dark color, and the websafe version is hex `666666`. A complement of this color would be $43, 16.170, 326.656$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 16.211, 143.601$, and $27, 16.384, 144.995$ is the 20% darker color. If you saturate the color by 10%, you get $46, 24.396, 143.657$, and if you desaturate by 10%, it is $48, 7.882, 145.100$.

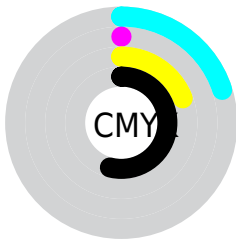
Distribution



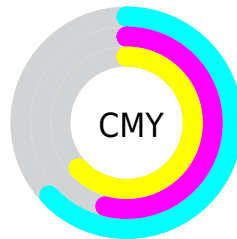
- Red (37%)
- Green (46%)
- Blue (37%)



- Red (37%)
- Yellow (45%)
- Blue (46%)



- Cyan (20%)
- Magenta (0%)
- Yellow (19%)
- Black (54%)





- Cyan (63%)
- Magenta (54%)
- Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 16.152, 144.428 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, 16.152, 144.428 by changing the saturation by 10% instead.


 47, 16.152,
144.428


 47, 16.152,
144.428


 100, 16.152,
144.428


 37, 16.152,
144.428

 67, 16.152,
144.428


 27, 16.152,
144.428

 77, 16.152,
144.428

 17, 16.152,
144.428


 87, 16.152,
144.428

 7, 16.152, 144.428

 97, 16.152,
144.428

 0, 16.152, 144.428

 47, 16.152,

 47, 16.152,

144.428

144.428

■ 46, 24.396,
143.657

■ 48, 7.882, 145.100

■ 45, 32.480,
142.772

■ 49, 0.318, 325.072

■ 51, 8.375, 326.103

■ 44, 40.237,
141.770

■ 52, 16.240,
326.528

■ 44, 47.465,
140.666

■ 54, 23.883,
326.886

■ 43, 53.928,
139.500

■ 55, 31.288,
327.194

■ 43, 59.362,
138.350

■ 57, 38.449,
327.459

■ 43, 63.504,
137.327

■ 59, 45.368,
327.689

■ 42, 66.407,
136.638

■ 61, 52.051,

■ 42, 66.513,
136.615

327.890

Harmonies

Complementary

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



47, 16.152, 144.428



43, 16.170, 326.656

Rectangle

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



47, 16.152, 144.428



47, 16.152, 194.428



47, 16.152, 324.428



47, 16.152, 14.428

Sweetspot

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



47, 16.153, 144.428



62, 6.097, 145.319



49, 13.417, 109.784



32, 4.022, 145.289



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, 16.153, 144.428



60, 24.585, 144.057



47, 11.251, 163.838



24, 4.611, 145.137



44, 68.617, 136.587



86, 117.267, 136.257

Inverse Universe

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



43, 16.170, 326.656



54, 24.604, 326.925



43, 11.563, 347.155



23, 4.619, 326.077



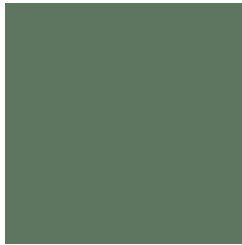
28, 64.962, 329.970



59, 109.936, 330.071

Previews

White Background



This preview shows how the CIELCh color 47, 16.152, 144.428 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, 16.152, 144.428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

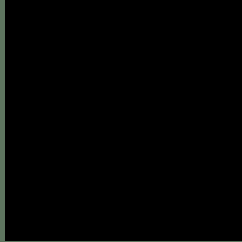
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 16.152, 144.428

Background



This preview shows how black text looks on a background with the CIELCh color 47, 16.152, 144.428.



This preview shows how white text looks on a background with the CIELCh color 47, 16.152, 144.428.

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

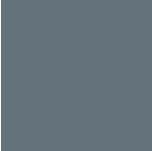
47, 16.152, 144.428

Protanopia

47, 11.485, 95.464

Deuteranopia

47, 10.563, 53.942



Tritanopia
47, 7.682, 243.025

Trichromacy



Original Color
47, 16.152, 144.428

Protanomaly
47, 11.886, 116.851

Deuteranomaly
47, 8.999, 97.942

Tritanomaly
47, 7.188, 189.121

Monochromacy



Original Color
47, 16.152, 144.428

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 5.804, 144.078

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 16.152, 144.428 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(94, 117, 95)` looks like.

```
.text, #text, p{  
    color:rgb(94, 117, 95)  
}
```

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(94, 117, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 117, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 16.152, 144.428 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(94, 117, 95) }
```

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

```
.border{ border-color:rgb(94, 117, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 117, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 117, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 117, 95);  
box-shadow:4px 4px 4px 4px rgb(94, 117,  
95) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 16.152, 144.428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 117, 95) }
```

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

```
.background{ background-color: rgb(94, 117,  
95) }
```

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