

Converting Colors

CIELCh(47, 18.645, 146.489)

Have a look what the booklet for
CIELCh(47, 18.645, 146.489)
contains.

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Color

CIELCh(47, 18.321, 147.048)

Conversions

Conversions Part 1

Format	Color
Hex	5A765E
RGB	90, 118, 94
RGB Percent	35%, 46%, 37%
CMY	0.6460, 0.5362, 0.6304
CMYK	0.24, 0.00, 0.20, 0.54
HSL	129°, 13%, 41%
HSV	129°, 24%, 46%
XYZ	12.7836, 16.0195, 13.0686
YIQ	106.8920, -8.9840, -13.4000

Conversions

Conversions Part 2

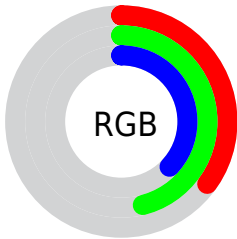
Format	Color
R _Y B	90, 115, 118
Decimal	5928542
CIE Lab	47.00, -15.37, 9.97
CIE LCh	47, 18.321, 147.048
Yxy	16.0195, 0.3053, 0.3826
Android (android.graphics.Color)	4284118622 (0xFF5A765E)
YUV	106.8920, -6.3558, -14.8143
Hunter-Lab	40.0243, -13.0302, 8.6578

Details

The CIELCh color $47, 18.321, 147.048$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $42, 18.367, 329.958$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 18.238, 146.297$, and $27, 18.708, 147.341$ is the 20% darker color. If you saturate the color by 10%, you get $46, 26.022, 146.199$, and if you desaturate by 10%, it is $48, 10.556, 147.787$.

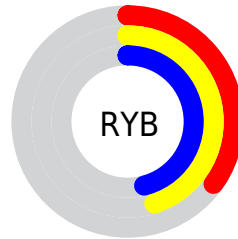
Distribution



 Red (35%)

 Green (46%)

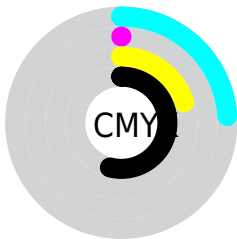
 Blue (37%)



 Red (35%)

 Yellow (45%)

 Blue (46%)

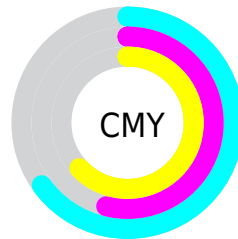



 Cyan (24%)

 Magenta (0%)

 Yellow (20%)

 Black (54%)



 Cyan (65%)

 Magenta (54%)

 Yellow (63%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 18.321, 147.048 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, 18.321, 147.048 by changing the saturation by 10% instead.

 47, 18.321,
147.048


 47, 18.321,
147.048

 100, 18.321,
147.048


 37, 18.321,
147.048

 67, 18.321,
147.048


 27, 18.321,
147.048

 77, 18.321,
147.048


 17, 18.321,
147.048


 87, 18.321,
147.048

 7, 18.321, 147.048

 97, 18.321,
147.048

 0, 18.321, 147.048

 47, 18.321,

 47, 18.321,

147.048

147.048

■ 46, 26.022,
146.199

■ 48, 10.556,
147.787

■ 45, 33.530,
145.224

■ 49, 2.820, 148.469

■ 45, 40.698,
144.113

■ 51, 4.809, 328.902

■ 52, 12.281,
329.400

■ 44, 47.358,
142.870

■ 53, 19.558,
329.817

■ 43, 53.330,
141.516

■ 55, 26.622,
330.180

■ 43, 58.428,
140.104

■ 57, 33.461,
330.499

■ 43, 62.493,
138.728

■ 58, 40.073,
330.780

■ 43, 64.599,
138.072

■ 60, 46.462,
331.030

Harmonies

Complementary

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



47, 18.321, 147.048



42, 18.367, 329.958

Rectangle

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



47, 18.321, 147.048



47, 18.321, 197.048



47, 18.321, 327.048



47, 18.321, 17.048

Sweetspot

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



47, 18.322, 147.048



62, 6.640, 148.225



49, 16.368, 113.674



32, 4.290, 148.199



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, 18.322, 147.048



59, 26.742, 146.638



47, 12.678, 169.372



24, 4.301, 148.102



44, 66.296, 138.017



86, 114.453, 137.261

Inverse Universe

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



42, 18.367, 329.958



52, 26.804, 330.256



41, 13.340, 353.768



23, 4.311, 329.090



27, 60.265, 334.603



57, 101.573, 335.014

Previews

White Background



This preview shows how the CIELCh color 47, 18.321, 147.048 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, 18.321, 147.048 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

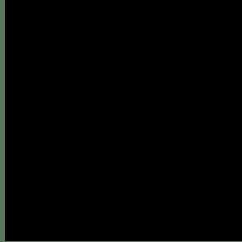
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 18.321, 147.048

Background



This preview shows how black text looks on a background with the CIELCh color 47, 18.321, 147.048.



This preview shows how white text looks on a background with the CIELCh color 47, 18.321, 147.048.

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

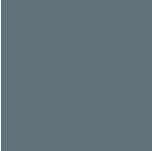
47, 18.321, 147.048

Protanopia

47, 12.163, 93.957

Deuteranopia

47, 10.563, 53.942



Tritanopia
47, 8.774, 236.384

Trichromacy



Original Color
47, 18.321, 147.048

Protanomaly
47, 13.175, 119.671

Deuteranomaly
47, 8.928, 100.661

Tritanomaly
47, 9.156, 187.175

Monochromacy



Original Color
47, 18.321, 147.048

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 6.781, 146.781

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 18.321, 147.048 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, 94)` looks like.

```
.text, #text, p{  
    color:rgb(90, 118, 94)  
}
```

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, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 118, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 18.321, 147.048 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, 94) }
```

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

```
.border{ border-color:rgb(90, 118, 94) }
```

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, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 118, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 118, 94);  
box-shadow:4px 4px 4px 4px rgb(90, 118,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 18.321, 147.048 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, 94) }
```

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

```
.background{ background-color: rgb(90, 118,  
94) }
```

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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