

Converting Colors

CIELCh(47, 13.975, 180.557)

Have a look what the booklet for
CIELCh(47, 13.975, 180.557)
contains.

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Color

CIELCh(47, 14.071, 180.642)

Conversions

Conversions Part 1

Format	Color
Hex	53766F
RGB	83, 118, 111
RGB Percent	33%, 46%, 44%
CMY	0.6736, 0.5363, 0.5637
CMYK	0.30, 0.00, 0.06, 0.54
HSL	168°, 17%, 40%
HSV	168°, 30%, 46%
XYZ	12.9798, 16.0195, 17.5185
YIQ	106.7370, -18.6130, -9.5970

Conversions

Conversions Part 2

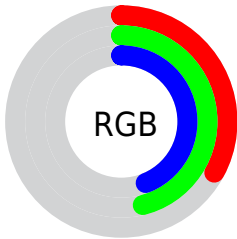
Format	Color
R_{YB}	83, 102, 118
Decimal	5469807
CIE _{Lab}	47.00, -14.07, -0.16
CIE _{LCh}	47, 14.071, 180.642
Yxy	16.0195, 0.2790, 0.3444
Android (android.graphics.Color)	4283659887 (0xFF53766F)
YUV	106.7370, 2.1017, -20.8173
Hunter-Lab	40.0243, -12.1555, 2.0660

Details

The CIELCh color $47, 14.071, 180.642$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $39, 15.816, 6.330$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 13.716, 181.814$, and $27, 14.406, 178.582$ is the 20% darker color. If you saturate the color by 10%, you get $46, 18.357, 179.644$, and if you desaturate by 10%, it is $48, 9.502, 181.582$.

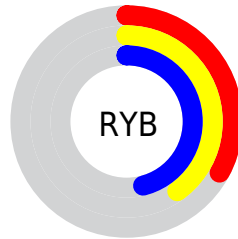
Distribution



Red (33%)

Green (46%)

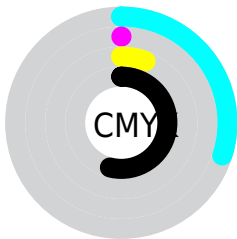
Blue (44%)



Red (33%)

Yellow (40%)

Blue (46%)

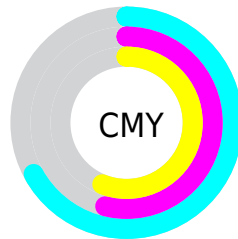


Cyan (30%)

Magenta (0%)

Yellow (6%)

Black (54%)



Cyan (67%)


Magenta (54%)

Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 14.071, 180.642 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, 14.071, 180.642 by changing the saturation by 10% instead.


 47, 14.071,
180.642


 47, 14.071,
180.642


 100, 14.071,
180.642


 37, 14.071,
180.642

 67, 14.071,
180.642


 27, 14.071,
180.642

 77, 14.071,
180.642


 17, 14.071,
180.642


 87, 14.071,
180.642

 7, 14.071, 180.642

 97, 14.071,
180.642

 0, 14.071, 180.642

 47, 14.071,

 47, 14.071,

180.642

180.642

■ 46, 18.357,
179.644

■ 48, 9.502, 181.582

■ 46, 22.283,
178.581

■ 49, 4.723, 182.503

■ 45, 25.778,
177.430

■ 50, 0.199, 1.528

■ 45, 28.783,
176.174

■ 51, 5.205, 4.019

■ 44, 31.262,
174.789

■ 52, 10.246, 4.834

■ 44, 33.211,
173.260

■ 53, 15.285, 5.602

■ 44, 34.832,
171.675

■ 55, 20.292, 6.340

■ 44, 34.897,
171.616

■ 56, 25.244, 7.054

■ 58, 30.126, 7.745

Harmonies

Complementary

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



47, 14.071, 180.642



39, 15.816, 6.330

Rectangle

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



47, 14.071, 180.642



47, 14.071, 230.642



47, 14.071, 0.642



47, 14.071, 50.642

Sweetspot

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



47, 14.072, 180.639



62, 5.467, 182.539



47, 23.597, 136.866



32, 3.771, 182.429



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, 14.072, 180.639



59, 20.759, 179.921



44, 10.826, 232.006



24, 2.751, 182.557



45, 35.800, 171.544



88, 61.528, 170.458

Inverse Universe

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



39, 15.816, 6.330



48, 24.080, 7.377



42, 12.887, 48.022



23, 2.846, 3.969



24, 53.028, 27.288



52, 92.421, 30.549

Previews

White Background



This preview shows how the CIELCh color 47, 14.071, 180.642 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, 14.071, 180.642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

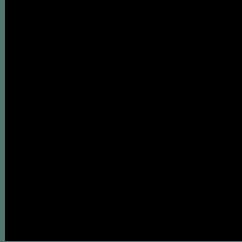
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 14.071, 180.642

Background



This preview shows how black text looks on a background with the CIELCh color 47, 14.071, 180.642.



This preview shows how white text looks on a background with the CIELCh color 47, 14.071, 180.642.

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, 14.071, 180.642

Protanopia

47, 2.655, 81.929

Deuteranopia

47, 6.114, 351.267



Tritanopia
47, 11.962, 224.992

Trichromacy



Original Color
47, 14.071, 180.642

Protanomaly
47, 5.369, 165.436

Deuteranomaly
47, 2.010, 199.351

Tritanomaly
47, 11.915, 206.790

Monochromacy



Original Color
47, 14.071, 180.642

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 5.345, 185.956

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 14.071, 180.642 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(83, 118, 111)` looks like.

```
.text, #text, p{  
    color:rgb(83, 118, 111)  
}
```

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(83, 118, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 118, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 14.071, 180.642 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(83, 118, 111) }
```

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

```
.border{ border-color:rgb(83, 118, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 118, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 118, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 118, 111);  
box-shadow:4px 4px 4px 4px rgb(83, 118,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 14.071, 180.642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 118, 111) }
```

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

```
.background{ background-color: rgb(83, 118,  
111) }
```

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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