

Converting Colors

CIELCh(47, 19.654, 200.839)

Have a look what the booklet for
CIELCh(47, 19.654, 200.839)
contains.

CIELCh(47, 19.877, 200.770)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(47, 19.877, 200.770)

Conversions

Conversions Part 1

Format	Color
Hex	3E797B
RGB	62, 121, 123
RGB Percent	24%, 47%, 48%
CMY	0.7583, 0.5269, 0.5191
CMYK	0.50, 0.02, 0.00, 0.52
HSL	182°, 33%, 36%
HSV	182°, 50%, 48%
XYZ	12.3088, 16.0195, 21.0633
YIQ	103.5870, -35.8060, -11.8860

Conversions

Conversions Part 2

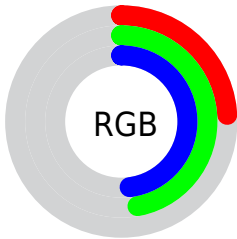
Format	Color
RYB	62, 92, 123
Decimal	4094331
CIELab	47.00, -18.59, -7.05
CIElCh	47, 19.877, 200.770
Yxy	16.0195, 0.2492, 0.3243
Android (android.graphics.Color)	4282284411 (0xFF3E797B)
YUV	103.5870, 9.5706, -36.4718
Hunter-Lab	40.0243, -15.1477, -3.1851

Details

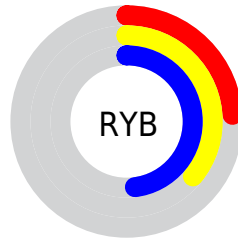
The CIELCh color **47, 19.877, 200.770** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **34, 28.315, 26.763**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 20.189, 199.348**, and **27, 19.815, 200.286** is the 20% darker color. If you saturate the color by 10%, you get **46, 22.578, 200.699**, and if you desaturate by 10%, it is **48, 16.657, 200.930**.

Distribution



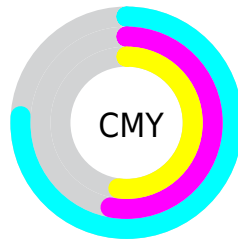
- Red (24%)
- Green (47%)
- Blue (48%)



- Red (24%)
- Yellow (36%)
- Blue (48%)



- Cyan (50%)
- Magenta (2%)
- Yellow (0%)
- Black (52%)





- Cyan (76%)
- Magenta (53%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 19.877, 200.770 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, 19.877, 200.770 by changing the saturation by 10% instead.


 47, 19.877,
200.770


 47, 19.877,
200.770


 100, 19.877,
200.770


 37, 19.877,
200.770

 67, 19.877,
200.770


 27, 19.877,
200.770

 77, 19.877,
200.770

 17, 19.877,
200.770

 87, 19.877,
200.770

 7, 19.877, 200.770

 97, 19.877,
200.770

 0, 19.877, 200.770

 47, 19.877,

 47, 19.877,

200.770

■ 46, 22.578,
200.699

■ 46, 24.718,
200.733

■ 46, 26.276,
200.880

■ 45, 27.264,
201.144

■ 45, 27.890,
201.483

■ 45, 27.906,
201.492

200.770

■ 48, 16.657,
200.930

■ 48, 12.978,
201.177

■ 49, 8.909, 201.500

■ 50, 4.520, 201.910

■ 52, 0.120, 19.017

■ 53, 4.951, 22.615

■ 54, 9.918, 23.135

■ 55, 14.977, 23.651

■ 57, 20.090, 24.173

Harmonies

Complementary

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



47, 19.877, 200.770



34, 28.315, 26.763

Rectangle

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



47, 19.877, 200.770



47, 19.877, 250.770



47, 19.877, 20.770



47, 19.877, 70.770

Sweetspot

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



47, 19.877, 200.768



64, 8.548, 201.666



46, 42.560, 141.036



33, 5.849, 201.598



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



47, 19.877, 200.768



60, 27.981, 200.697



38, 21.202, 266.080



25, 2.612, 201.943



46, 28.281, 201.502



88, 47.502, 201.791

Inverse Universe

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



36, 41.908, 327.895



44, 61.158, 328.409



42, 23.975, 71.119



24, 4.822, 325.784



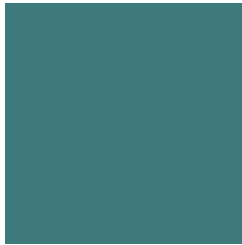
29, 66.461, 329.533



59, 111.728, 329.605

Previews

White Background



This preview shows how the CIELCh color 47, 19.877, 200.770 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, 19.877, 200.770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

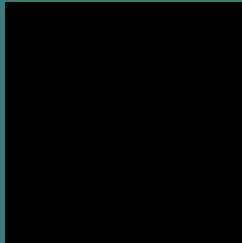
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 19.877, 200.770

Background



This preview shows how black text looks on a background with the CIELCh color 47, 19.877, 200.770.



This preview shows how white text looks on a background with the CIELCh color 47, 19.877, 200.770.

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, 19.877, 200.770

Protanopia
47, 3.589, 297.066

Deuteranopia
47, 10.493, 306.584



Tritanopia
47, 19.056, 213.947

Trichromacy



Original Color
47, 19.877, 200.770

Protanomaly
47, 8.281, 215.318

Deuteranomaly
47, 8.975, 245.741

Tritanomaly
47, 19.225, 210.054

Monochromacy



Original Color
47, 19.877, 200.770

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 8.149, 202.734

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 19.877, 200.770 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(62, 121, 123)` looks like.

```
.text, #text, p{  
    color:rgb(62, 121, 123)  
}
```

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(62, 121, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 121, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 19.877, 200.770 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(62, 121, 123) }
```

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

```
.border{ border-color:rgb(62, 121, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 121, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 121, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 121, 123);  
box-shadow:4px 4px 4px 4px rgb(62, 121,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 19.877, 200.770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 121, 123) }
```

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

```
.background{ background-color: rgb(62, 121,  
123) }
```

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