

Converting Colors

CIELCh(47, 18.995, 200.459)

Have a look what the booklet for
CIELCh(47, 18.995, 200.459)
contains.

CIELCh(47, 18.831, 201.062)	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, 18.831, 201.062)

Conversions

Conversions Part 1

Format	Color
Hex	41787A
RGB	65, 120, 122
RGB Percent	25%, 47%, 48%
CMY	0.7443, 0.5287, 0.5208
CMYK	0.47, 0.02, 0.00, 0.52
HSL	182°, 30%, 37%
HSV	182°, 47%, 48%
XYZ	12.4572, 16.0195, 20.9100
YIQ	103.7830, -33.4220, -11.0380

Conversions

Conversions Part 2

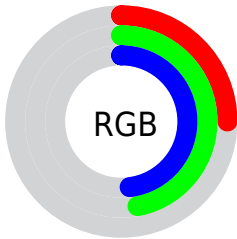
Format	Color
R_{YB}	65, 93, 122
Decimal	4290682
CIE _{Lab}	47.00, -17.57, -6.77
CIE _{LCh}	47, 18.831, 201.062
Yxy	16.0195, 0.2522, 0.3244
Android (android.graphics.Color)	4282480762 (0xFF41787A)
YUV	103.7830, 8.9810, -34.0127
Hunter-Lab	40.0243, -14.4860, -2.9580

Details

The CIELCh color **47, 18.831, 201.062** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **35, 26.160, 26.424**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 18.690, 201.305**, and **27, 18.774, 200.627** is the 20% darker color. If you saturate the color by 10%, you get **46, 21.684, 200.976**, and if you desaturate by 10%, it is **48, 15.479, 201.236**.

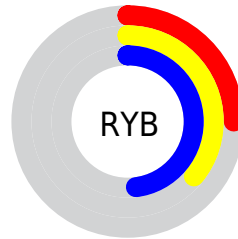
Distribution



Red (25%)

Green (47%)

Blue (48%)



Red (25%)

Yellow (36%)

Blue (48%)

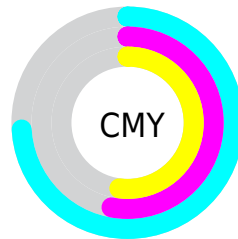


Cyan (47%)

Magenta (2%)

Yellow (0%)

Black (52%)



Cyan (74%)

Magenta (53%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 18.831, 201.062 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, 18.831, 201.062 by changing the saturation by 10% instead.

■ 47, 18.831,
201.062

■ 47, 18.831,
201.062

■ 100, 18.831,
201.062

■ 37, 18.831,
201.062

■ 67, 18.831,
201.062

■ 27, 18.831,
201.062

■ 77, 18.831,
201.062

■ 17, 18.831,
201.062

■ 87, 18.831,
201.062

■ 7, 18.831, 201.062

■ 97, 18.831,
201.062

■ 0, 18.831, 201.062

■ 47, 18.831,

■ 47, 18.831,

201.062

■ 46, 21.684,
200.976

■ 46, 23.989,
200.995

■ 45, 25.717,
201.128

■ 45, 26.871,
201.381

■ 45, 27.548,
201.741

■ 45, 27.754,
201.864

201.062

■ 48, 15.479,
201.236

■ 49, 11.692,
201.496

■ 50, 7.538, 201.834

■ 51, 3.087, 202.283

■ 52, 1.594, 22.336

■ 53, 6.448, 22.974

■ 54, 11.422, 23.482

■ 56, 16.476, 23.993

■ 57, 21.574, 24.511

Harmonies

Complementary

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



47, 18.831, 201.062



35, 26.160, 26.424

Rectangle

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



47, 18.831, 201.062



47, 18.831, 251.062



47, 18.831, 21.062



47, 18.831, 71.062

Sweetspot

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



47, 18.831, 201.060



63, 7.880, 201.924



46, 39.524, 141.792



32, 5.384, 201.855



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



47, 18.831, 201.060



59, 26.364, 200.974



38, 20.268, 267.052



25, 2.606, 202.154



46, 28.200, 201.877



88, 47.360, 202.189

Inverse Universe

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



37, 39.334, 327.817



44, 56.966, 328.305



43, 22.425, 73.158



24, 4.814, 325.848



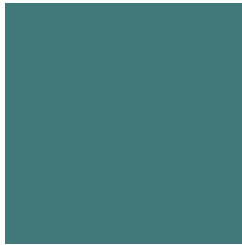
29, 66.346, 329.627



59, 111.524, 329.705

Previews

White Background



This preview shows how the CIELCh color 47, 18.831, 201.062 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, 18.831, 201.062 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

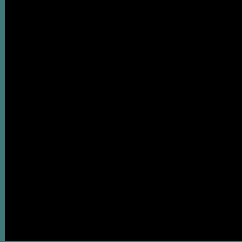
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 18.831, 201.062

Background



This preview shows how black text looks on a background with the CIELCh color 47, 18.831, 201.062.



This preview shows how white text looks on a background with the CIELCh color 47, 18.831, 201.062.

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, 18.831, 201.062

Protanopia

47, 3.589, 297.066

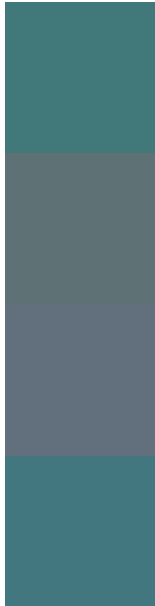
Deuteranopia

47, 10.493, 306.584



Tritanopia
47, 18.140, 216.919

Trichromacy



Original Color
47, 18.831, 201.062

Protanomaly
47, 7.936, 216.100

Deuteranomaly
46, 8.944, 252.032

Tritanomaly
47, 18.249, 212.803

Monochromacy



Original Color
47, 18.831, 201.062

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 7.774, 202.980

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 18.831, 201.062 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(65, 120, 122)` looks like.

```
.text, #text, p{  
    color:rgb(65, 120, 122)  
}
```

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(65, 120, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 120, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 18.831, 201.062 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(65, 120, 122) }
```

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

```
.border{ border-color:rgb(65, 120, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 120, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 120, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 120, 122);  
box-shadow:4px 4px 4px 4px rgb(65, 120,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 18.831, 201.062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 120, 122) }
```

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

```
.background{ background-color: rgb(65, 120,  
122) }
```

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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