

Converting Colors

CIELCh(47, 19.092, 216.146)

Have a look what the booklet for
CIELCh(47, 19.092, 216.146)
contains.

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Color

CIELCh(47, 19.123, 215.785)

Conversions

Conversions Part 1

Format	Color
Hex	407882
RGB	64, 120, 130
RGB Percent	25%, 47%, 51%
CMY	0.7506, 0.5309, 0.4917
CMYK	0.51, 0.08, 0.00, 0.49
HSL	189°, 34%, 38%
HSV	189°, 51%, 51%
XYZ	12.7628, 16.0195, 23.4030
YIQ	104.3960, -36.5860, -8.7620

Conversions

Conversions Part 2

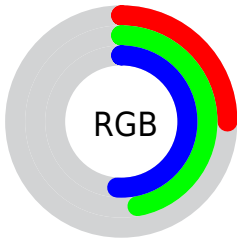
Format	Color
RYB	64, 94, 130
Decimal	4225154
CIELab	47.00, -15.51, -11.18
CIElCh	47, 19.123, 215.785
Yxy	16.0195, 0.2446, 0.3070
Android (android.graphics.Color)	4282415234 (0xFF407882)
YUV	104.3960, 12.6228, -35.4273
Hunter-Lab	40.0243, -13.1231, -6.6509

Details

The CIELCh color **47, 19.123, 215.785** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **38, 27.899, 35.707**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 18.969, 216.856**, and **27, 19.131, 217.015** is the 20% darker color. If you saturate the color by 10%, you get **46, 21.623, 216.758**, and if you desaturate by 10%, it is **48, 16.126, 215.076**.

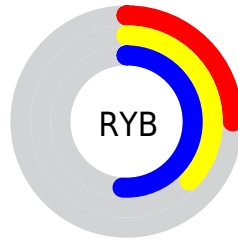
Distribution



Red (25%)

Green (47%)

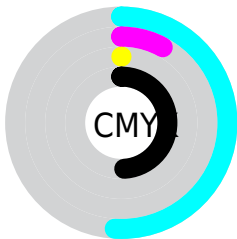
Blue (51%)



Red (25%)

Yellow (37%)

Blue (51%)

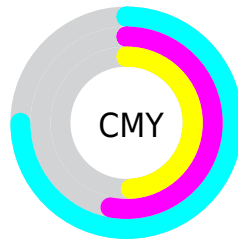


Cyan (51%)

Magenta (8%)

Yellow (0%)

Black (49%)



Cyan (75%)


Magenta (53%)

Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 19.123, 215.785 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, 19.123, 215.785 by changing the saturation by 10% instead.


 47, 19.123,
215.785


 47, 19.123,
215.785


 100, 19.123,
215.785


 37, 19.123,
215.785

 67, 19.123,
215.785


 27, 19.123,
215.785

 77, 19.123,
215.785

 17, 19.123,
215.785


 87, 19.123,
215.785

 7, 19.123, 215.785

 97, 19.123,
215.785

 0, 19.123, 215.785

 47, 19.123,

 47, 19.123,

215.785

■ 46, 21.623,
216.758

■ 45, 23.585,
218.056

■ 44, 24.992,
219.736

■ 43, 25.866,
221.856

■ 42, 26.399,
224.015

215.785

■ 48, 16.126,
215.076

■ 50, 12.692,
214.591

■ 51, 8.886, 214.288

■ 52, 4.773, 214.151

■ 54, 0.415, 214.969

■ 56, 4.134, 33.926

■ 57, 8.825, 34.066

■ 59, 13.619, 34.222

■ 61, 18.484, 34.407

Harmonies

Complementary

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



47, 19.123, 215.785



38, 27.899, 35.707

Rectangle

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



47, 19.123, 215.785



47, 19.123, 265.785



47, 19.123, 35.785



47, 19.123, 85.785

Sweetspot

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



47, 19.123, 215.783



66, 8.016, 214.190



49, 41.547, 144.598



34, 5.417, 214.215



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



47, 19.123, 215.783



59, 26.560, 216.928



37, 27.130, 278.753



26, 2.440, 214.148



42, 26.089, 223.964



0, 0.000, 0.000

Inverse Universe

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



37, 41.334, 331.931



45, 59.395, 332.641



46, 27.577, 83.239



25, 4.595, 329.381



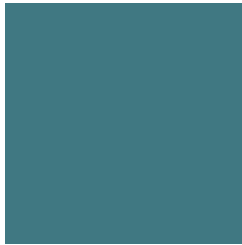
28, 61.633, 335.087



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 47, 19.123, 215.785 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, 19.123, 215.785 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

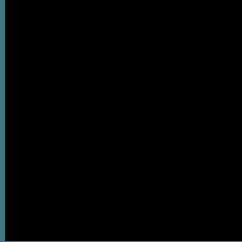
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

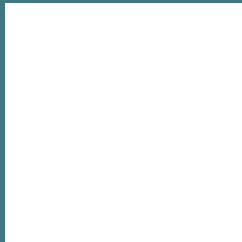
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 19.123, 215.785

Background



This preview shows how black text looks on a background with the CIELCh color 47, 19.123, 215.785.

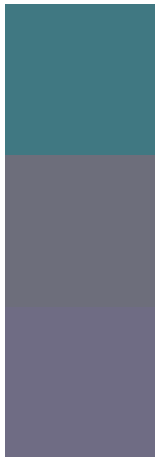


This preview shows how white text looks on a background with the CIELCh color 47, 19.123, 215.785.

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, 19.123, 215.785

Protanopia

47, 7.711, 288.350

Deuteranopia

47, 14.319, 296.617



Tritanopia
47, 19.056, 213.947

Trichromacy



Original Color
47, 19.123, 215.785

Protanomaly
46, 10.349, 242.493

Deuteranomaly
46, 12.818, 261.064

Tritanomaly
47, 19.056, 213.947

Monochromacy



Original Color
47, 19.123, 215.785

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 8.214, 211.202

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 19.123, 215.785 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(64, 120, 130)` looks like.

```
.text, #text, p{  
    color:rgb(64, 120, 130)  
}
```

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(64, 120, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 120, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 19.123, 215.785 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(64, 120, 130) }
```

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

```
.border{ border-color:rgb(64, 120, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 120, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 120, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 120, 130);  
box-shadow:4px 4px 4px 4px rgb(64, 120,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 19.123, 215.785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 120, 130) }
```

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

```
.background{ background-color: rgb(64, 120,  
130) }
```

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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