

Converting Colors

CIELCh(47, 24.150, 211.426)

Have a look what the booklet for
CIELCh(47, 24.150, 211.426)
contains.

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Color

CIELCh(47, 24.197, 211.383)

Conversions

Conversions Part 1

Format	Color
Hex	297A84
RGB	41, 122, 132
RGB Percent	16%, 48%, 52%
CMY	0.8398, 0.5220, 0.4828
CMYK	0.69, 0.08, 0.00, 0.48
HSL	187°, 53%, 34%
HSV	187°, 69%, 52%
XYZ	12.0089, 16.0195, 24.2442
YIQ	98.9210, -51.4860, -14.0620

Conversions

Conversions Part 2

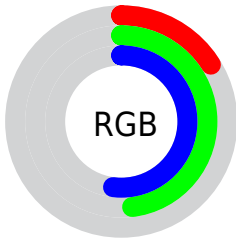
Format	Color
RYB	41, 84, 132
Decimal	2718340
CIELab	47.00, -20.66, -12.60
CIELCh	47, 24.197, 211.383
Yxy	16.0195, 0.2297, 0.3065
Android (android.graphics.Color)	4280908420 (0xFF297A84)
YUV	98.9210, 16.3079, -50.7967
Hunter-Lab	40.0243, -16.4855, -7.8972




Details

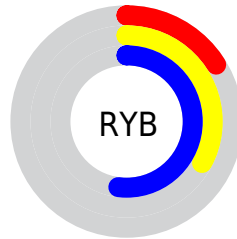
The CIELCh color **47, 24.197, 211.383** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **33, 41.806, 35.142**, and the grayscale version is **42, 0.006, 296.813**.




A 20% lighter version of the original color is **67, 24.285, 210.842**, and **28, 19.590, 216.405** is the 20% darker color. If you saturate the color by 10%, you get **46, 25.716, 212.433**, and if you desaturate by 10%, it is **48, 22.084, 210.604**.

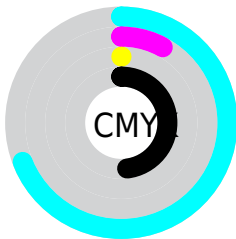
Distribution







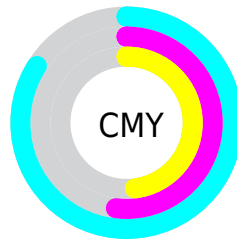
-  Red (16%)
-  Green (48%)
-  Blue (52%)






-  Red (16%)
-  Yellow (33%)
-  Blue (52%)



-  Cyan (69%)
-  Magenta (8%)
-  Yellow (0%)
-  Black (48%)



-  Cyan (84%)
-  Magenta (52%)
-  Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 24.197, 211.383 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, 24.197, 211.383 by changing the saturation by 10% instead.


 47, 24.197,
211.383

 47, 24.197,
211.383


 100, 24.197,
211.383

 37, 24.197,
211.383

 67, 24.197,
211.383

 27, 24.197,
211.383

 77, 24.197,
211.383

 17, 24.197,
211.383

 87, 24.197,
211.383

 7, 24.197, 211.383

 97, 24.197,
211.383

 0, 24.197, 211.383

 47, 24.197,

 47, 24.197,

211.383

■ 46, 25.716,
212.433

■ 46, 26.652,
213.798

■ 45, 27.173,
215.415

■ 45, 27.223,
215.571

211.383

■ 48, 22.084,
210.604

■ 49, 19.402,
210.060

■ 50, 16.201,
209.714

■ 51, 12.545,
209.531

■ 52, 8.504, 209.488

■ 54, 4.148, 209.585

■ 55, 0.458, 28.724

■ 57, 5.254, 29.735

■ 58, 10.190, 30.018

Harmonies

Complementary

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



47, 24.197, 211.383



33, 41.806, 35.142

Rectangle

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



47, 24.197, 211.383



47, 24.197, 261.383



47, 24.197, 31.383



47, 24.197, 81.383

Sweetspot

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



47, 24.197, 211.382



66, 11.509, 209.486



48, 56.821, 140.888



34, 7.791, 209.492



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



47, 24.197, 211.382



59, 31.822, 213.189



33, 35.080, 279.964



27, 2.603, 209.583



44, 26.953, 215.542



0, 0.638, 209.619

Inverse Universe

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



34, 55.142, 331.434



41, 74.919, 332.242



43, 37.202, 76.214



26, 4.889, 328.056



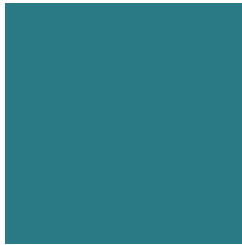
29, 64.497, 332.992



0, 1.164, 327.570

Previews

White Background



This preview shows how the CIELCh color 47, 24.197, 211.383 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, 24.197, 211.383 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

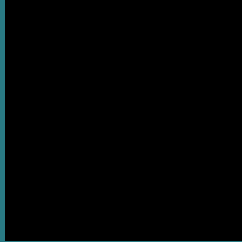
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 24.197, 211.383

Background



This preview shows how black text looks on a background with the CIELCh color 47, 24.197, 211.383.

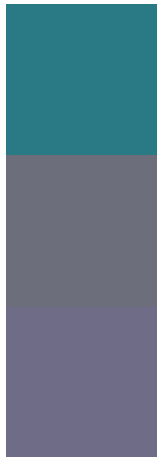


This preview shows how white text looks on a background with the CIELCh color 47, 24.197, 211.383.

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, 24.197, 211.383

Protanopia

47, 8.303, 288.644

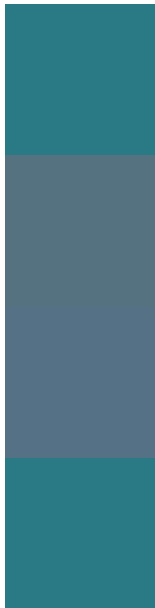
Deuteranopia

47, 16.064, 294.981



Tritanopia
47, 24.197, 211.383

Trichromacy



Original Color
47, 24.197, 211.383

Protanomaly
46, 12.974, 235.215

Deuteranomaly
46, 15.496, 252.743

Tritanomaly
47, 24.197, 211.383

Monochromacy



Original Color
47, 24.197, 211.383

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 11.047, 210.868

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 24.197, 211.383 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(41, 122, 132)` looks like.

```
.text, #text, p{  
    color:rgb(41, 122, 132)  
}
```

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(41, 122, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 122, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 24.197, 211.383 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(41, 122, 132) }
```

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

```
.border{ border-color:rgb(41, 122, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 122, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 122, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 122, 132);  
box-shadow:4px 4px 4px 4px rgb(41, 122,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 24.197, 211.383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 122, 132) }
```

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

```
.background{ background-color: rgb(41, 122,  
132) }
```

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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