

Converting Colors

CIELCh(47, 27.301, 215.246)

Have a look what the booklet for
CIELCh(47, 27.301, 215.246)
contains.

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Color

CIELCh(47, 27.329, 214.735)

Conversions

Conversions Part 1

Format	Color
Hex	0F7B89
RGB	15, 123, 137
RGB Percent	6%, 48%, 54%
CMY	0.9430, 0.5184, 0.4635
CMYK	0.89, 0.10, 0.00, 0.46
HSL	187°, 81%, 30%
HSV	187°, 89%, 54%
XYZ	11.7520, 16.0195, 26.0708
YIQ	92.3040, -68.8620, -18.5420

Conversions

Conversions Part 2

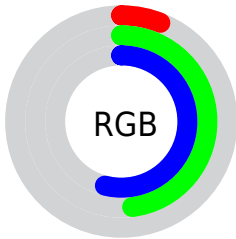
Format	Color
RYB	15, 72, 137
Decimal	1014665
CIELab	47.00, -22.46, -15.57
CIELCh	47, 27.329, 214.735
Yxy	16.0195, 0.2183, 0.2975
Android (android.graphics.Color)	4279204745 (0xFF0F7B89)
YUV	92.3040, 22.0351, -67.7956
Hunter-Lab	40.0243, -17.6310, -10.6029

Details

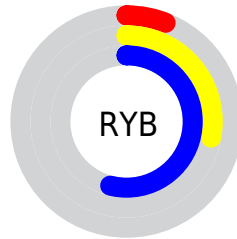
The CIELCh color **47, 27.329, 214.735** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **30, 57.377, 39.385**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 27.327, 214.021**, and **28, 19.966, 222.181** is the 20% darker color. If you saturate the color by 10%, you get **46, 27.837, 216.465**, and if you desaturate by 10%, it is **48, 26.400, 213.268**.

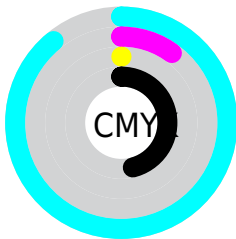
Distribution



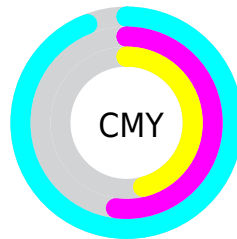
- Red (6%)
- Green (48%)
- Blue (54%)



- Red (6%)
- Yellow (28%)
- Blue (54%)



- Cyan (89%)
- Magenta (10%)
- Yellow (0%)
- Black (46%)




- Cyan (94%)
- Magenta (52%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 27.329, 214.735 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, 27.329, 214.735 by changing the saturation by 10% instead.

 47, 27.329,
214.735


 47, 27.329,
214.735


 100, 27.329,
214.735


 37, 27.329,
214.735

 67, 27.329,
214.735


 27, 27.329,
214.735

 77, 27.329,
214.735

 17, 27.329,
214.735

 87, 27.329,
214.735

 7, 27.329, 214.735

 97, 27.329,
214.735

 0, 27.329, 214.735

 47, 27.329,

 47, 27.329,

214.735

■ 46, 27.837,
216.465

■ 46, 27.868,
216.573

214.735

■ 48, 26.400,
213.268

■ 49, 24.874,
212.133

■ 49, 22.736,
211.288

■ 50, 20.011,
210.689

■ 52, 16.748,
210.297

■ 53, 13.014,
210.077

■ 54, 8.880, 210.003

■ 56, 4.419, 210.073

Harmonies

Complementary

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



47, 27.329, 214.735



30, 57.377, 39.385

Rectangle

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



47, 27.329, 214.735



47, 27.329, 264.735



47, 27.329, 34.735



47, 27.329, 84.735

Sweetspot

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



47, 27.328, 214.734



68, 14.959, 210.054



50, 69.668, 138.221



35, 9.934, 210.094



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



47, 27.328, 214.734



60, 33.823, 217.083



28, 47.451, 287.439



28, 2.675, 210.076



45, 27.249, 216.505



1, 1.271, 210.095

Inverse Universe

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



32, 64.744, 332.691



41, 80.856, 333.371



42, 48.228, 72.551



27, 5.029, 328.204



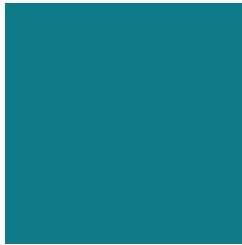
30, 65.169, 333.229



0, 2.321, 327.712

Previews

White Background



This preview shows how the CIE LCh color 47, 27.329, 214.735 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, 27.329, 214.735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

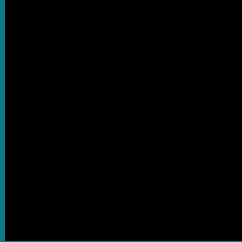
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 27.329, 214.735

Background



This preview shows how black text looks on a background with the CIELCh color 47, 27.329, 214.735.

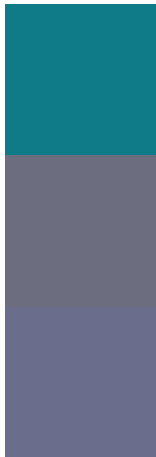


This preview shows how white text looks on a background with the CIELCh color 47, 27.329, 214.735.

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, 27.329, 214.735

Protanopia

47, 10.682, 287.550

Deuteranopia

47, 18.375, 290.387



Tritanopia
47, 28.189, 208.950

Trichromacy



Original Color
47, 27.329, 214.735

Protanomaly
46, 16.510, 233.610

Deuteranomaly
46, 19.486, 248.572

Tritanomaly
47, 27.889, 210.400

Monochromacy



Original Color
47, 27.329, 214.735

Achromatopsia
39, 0.006, 296.813

Achromatomaly
41, 14.257, 210.206

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 27.329, 214.735 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(15, 123, 137)` looks like.

```
.text, #text, p{  
    color:rgb(15, 123, 137)  
}
```

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(15, 123, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 123, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 27.329, 214.735 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(15, 123, 137) }
```

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

```
.border{ border-color:rgb(15, 123, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 123, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 123, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 123, 137);  
box-shadow:4px 4px 4px 4px rgb(15, 123,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 27.329, 214.735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 123, 137) }
```

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

```
.background{ background-color: rgb(15, 123,  
137) }
```

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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