

Converting Colors

CIELCh(47, 27.604, 186.535)

Have a look what the booklet for
CIELCh(47, 27.604, 186.535)
contains.

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Color

CIELCh(47, 27.604, 186.535)

Conversions

Conversions Part 1

Format	Color
Hex	247C74
RGB	36, 124, 116
RGB Percent	14%, 49%, 45%
CMY	0.8594, 0.5141, 0.5455
CMYK	0.71, 0.00, 0.06, 0.51
HSL	175°, 55%, 31%
HSV	175°, 71%, 49%
XYZ	11.0631, 16.0195, 19.0001
YIQ	96.7760, -49.8800, -21.1440

Conversions

Conversions Part 2

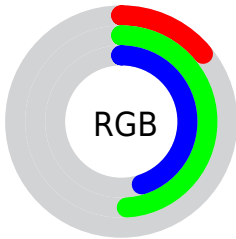
Format	Color
R_{YB}	36, 82, 124
Decimal	2391156
CIE _{Lab}	47.00, -27.42, -3.14
CIE _{LCh}	47, 27.604, 186.535
Yxy	16.0195, 0.2401, 0.3476
Android (android.graphics.Color)	4280581236 (0xFF247C74)
YUV	96.7760, 9.4774, -53.3006
Hunter-Lab	40.0243, -20.7035, -0.1288

Details

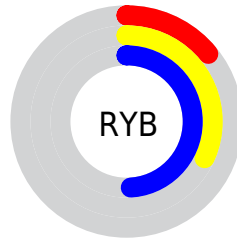
The CIELCh color **47, 27.604, 186.535** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **29, 41.966, 23.550**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 27.687, 186.713**, and **28, 21.879, 185.778** is the 20% darker color. If you saturate the color by 10%, you get **47, 29.528, 185.657**, and if you desaturate by 10%, it is **47, 25.100, 187.359**.

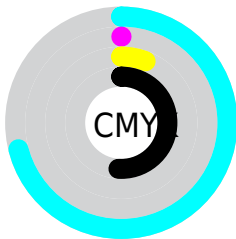
Distribution



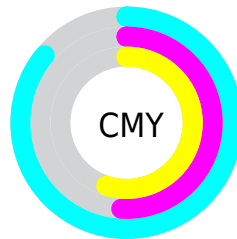
- Red (14%)
- Green (49%)
- Blue (45%)



- Red (14%)
- Yellow (32%)
- Blue (49%)



- Cyan (71%)
- Magenta (0%)
- Yellow (6%)
- Black (51%)




- Cyan (86%)
- Magenta (51%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 27.604, 186.535 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, 27.604, 186.535 by changing the saturation by 10% instead.

 47, 27.604,
186.535


 47, 27.604,
186.535


 100, 27.604,
186.535


 37, 27.604,
186.535

 67, 27.604,
186.535


 27, 27.604,
186.535

 77, 27.604,
186.535

 17, 27.604,
186.535

 87, 27.604,
186.535

 7, 27.604, 186.535

 97, 27.604,
186.535

 0, 27.604, 186.535

 47, 27.604,

 47, 27.604,

186.535

186.535

■ 47, 29.528,
185.657

■ 47, 25.100,
187.359

■ 47, 30.883,
184.714

■ 48, 22.040,
188.148

■ 46, 31.823,
183.850

■ 48, 18.471,
188.912

■ 49, 14.460,
189.662

■ 50, 10.082,
190.407

■ 51, 5.412, 191.165

■ 52, 0.524, 192.538

■ 53, 4.518, 12.448

■ 54, 9.659, 13.203

Harmonies

Complementary

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



47, 27.604, 186.535



29, 41.966, 23.550

Rectangle

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



47, 27.604, 186.535



47, 27.604, 236.535



47, 27.604, 6.535



47, 27.604, 56.535

Sweetspot

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



47, 27.604, 186.534



64, 12.423, 190.373



46, 57.360, 136.739



33, 8.425, 190.206



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, 27.604, 186.534



60, 36.728, 185.103



36, 25.506, 258.299



25, 2.740, 191.325



47, 32.021, 183.841



90, 54.181, 183.224

Inverse Universe

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



29, 41.966, 23.550



35, 61.566, 29.597



36, 35.912, 57.480



24, 2.868, 12.521



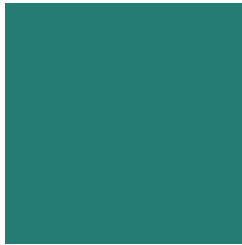
25, 57.538, 34.462



53, 99.915, 37.104

Previews

White Background



This preview shows how the CIELCh color 47, 27.604, 186.535 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, 27.604, 186.535 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

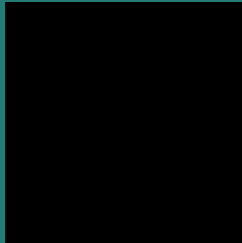
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 27.604, 186.535

Background



This preview shows how black text looks on a background with the CIELCh color 47, 27.604, 186.535.



This preview shows how white text looks on a background with the CIELCh color 47, 27.604, 186.535.

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, 27.604, 186.535

Protanopia

47, 1.699, 63.299

Deuteranopia

47, 7.690, 322.380



Tritanopia
47, 23.521, 210.338

Trichromacy



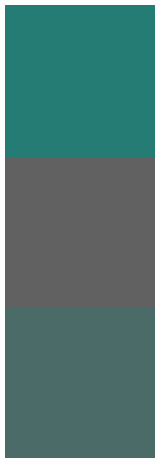
Original Color
47, 27.604, 186.535

Protanomaly
46, 11.805, 186.415

Deuteranomaly
46, 9.986, 212.228

Tritanomaly
47, 24.554, 201.079

Monochromacy



Original Color
47, 27.604, 186.535

Achromatopsia
41, 0.006, 296.813

Achromatomaly
43, 12.420, 189.528

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 27.604, 186.535 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(36, 124, 116)` looks like.

```
.text, #text, p{  
    color:rgb(36, 124, 116)  
}
```

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(36, 124, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 124, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 27.604, 186.535 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(36, 124, 116) }
```

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

```
.border{ border-color:rgb(36, 124, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 124, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 124, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 124, 116);  
box-shadow:4px 4px 4px 4px rgb(36, 124,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 27.604, 186.535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 124, 116) }
```

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

```
.background{ background-color: rgb(36, 124,  
116) }
```

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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