

Converting Colors

CIELCh(47, 30.121, 175.178)

Have a look what the booklet for
CIELCh(47, 30.121, 175.178)
contains.

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Color

CIELCh(47, 30.404, 174.433)

Conversions

Conversions Part 1

Format	Color
Hex	277D6A
RGB	39, 125, 106
RGB Percent	15%, 49%, 42%
CMY	0.8490, 0.5114, 0.5858
CMYK	0.69, 0.00, 0.15, 0.51
HSL	167°, 53%, 32%
HSV	167°, 69%, 49%
XYZ	10.6820, 16.0195, 16.0598
YIQ	97.1200, -45.1570, -24.1410

Conversions

Conversions Part 2

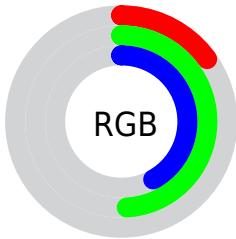
Format	Color
R_{YB}	39, 87, 125
Decimal	2588010
CIE _{Lab}	47.00, -30.26, 2.95
CIE _{LCh}	47, 30.404, 174.433
Yxy	16.0195, 0.2498, 0.3746
Android (android.graphics.Color)	4280778090 (0xFF277D6A)
YUV	97.1200, 4.3778, -50.9712
Hunter-Lab	40.0243, -22.4031, 4.2268




Details

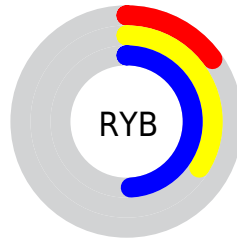
The CIELCh color **47, 30.404, 174.433** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **30, 39.676, 13.021**, and the grayscale version is **41, 0.006, 296.813**.




A 20% lighter version of the original color is **67, 30.335, 174.359**, and **28, 25.451, 171.522** is the 20% darker color. If you saturate the color by 10%, you get **47, 33.112, 172.977**, and if you desaturate by 10%, it is **47, 27.151, 175.749**.

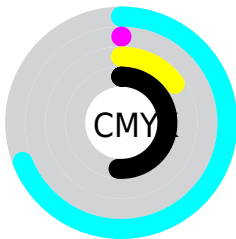
Distribution







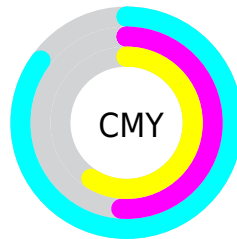
-  Red (15%)
-  Green (49%)
-  Blue (42%)






-  Red (15%)
-  Yellow (34%)
-  Blue (49%)



-  Cyan (69%)
-  Magenta (0%)
-  Yellow (15%)
-  Black (51%)





-  Cyan (85%)
-  Magenta (51%)
-  Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 30.404, 174.433 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, 30.404, 174.433 by changing the saturation by 10% instead.


 47, 30.404,
174.433


 47, 30.404,
174.433


 100, 30.404,
174.433


 37, 30.404,
174.433

 67, 30.404,
174.433


 27, 30.404,
174.433

 77, 30.404,
174.433

 17, 30.404,
174.433

 87, 30.404,
174.433

 7, 30.404, 174.433

 97, 30.404,
174.433

 0, 30.404, 174.433

 47, 30.404,

 47, 30.404,

174.433

174.433

■ 47, 33.112,
172.977

■ 47, 27.151,
175.749

■ 46, 35.267,
171.365

■ 48, 23.391,
176.949

■ 46, 37.041,
169.673

■ 49, 19.190,
178.053

■ 46, 37.202,
169.527

■ 49, 14.624,
179.080

■ 50, 9.773, 180.049

■ 51, 4.717, 180.991

■ 52, 0.475, 1.026

■ 54, 5.742, 2.535

■ 55, 11.035, 3.354

Harmonies

Complementary

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



47, 30.404, 174.433



30, 39.676, 13.021

Rectangle

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



47, 30.404, 174.433



47, 30.404, 224.433



47, 30.404, 354.433



47, 30.404, 44.433

Sweetspot

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



47, 30.404, 174.432



64, 13.349, 179.819



46, 54.477, 134.114



33, 8.955, 179.605



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, 30.404, 174.432



60, 41.939, 172.040



40, 22.381, 236.830



25, 2.878, 180.995



46, 37.280, 169.521



89, 63.683, 168.414

Inverse Universe

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



30, 39.676, 13.021



36, 57.485, 18.944



34, 36.560, 46.090



24, 2.973, 2.444



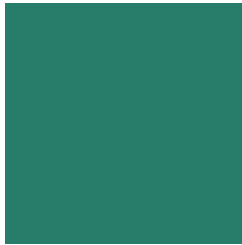
25, 53.228, 25.810



53, 91.899, 29.040

Previews

White Background



This preview shows how the CIELCh color 47, 30.404, 174.433 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, 30.404, 174.433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

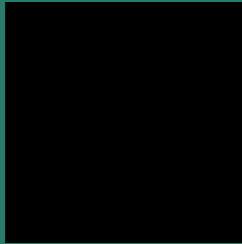
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 30.404, 174.433

Background



This preview shows how black text looks on a background with the CIELCh color 47, 30.404, 174.433.

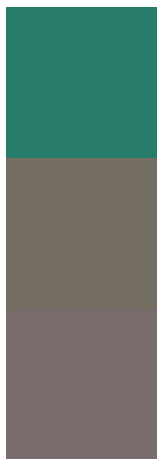


This preview shows how white text looks on a background with the CIELCh color 47, 30.404, 174.433.

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, 30.404, 174.433

Protanopia

47, 7.527, 89.258

Deuteranopia

47, 6.356, 9.461



Tritanopia
47, 22.392, 212.741

Trichromacy



Original Color
47, 30.404, 174.433

Protanomaly
46, 13.757, 160.718

Deuteranomaly
46, 8.873, 178.787

Tritanomaly
47, 23.929, 196.897

Monochromacy



Original Color
47, 30.404, 174.433

Achromatopsia
41, 0.006, 296.813

Achromatomaly
43, 12.906, 178.731

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 30.404, 174.433 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(39, 125, 106)` looks like.

```
.text, #text, p{  
    color:rgb(39, 125, 106)  
}
```

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(39, 125, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 125, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 30.404, 174.433 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(39, 125, 106) }
```

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

```
.border{ border-color:rgb(39, 125, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 125, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 125, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 125, 106);  
box-shadow:4px 4px 4px 4px rgb(39, 125,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 30.404, 174.433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 125, 106) }
```

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

```
.background{ background-color: rgb(39, 125,  
106) }
```

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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