

Converting Colors

CIELCh(47, 27.981, 234.931)

Have a look what the booklet for
CIELCh(47, 27.981, 234.931)
contains.

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Color

CIELCh(47, 27.894, 234.328)

Conversions

Conversions Part 1

Format	Color
Hex	1A7995
RGB	26, 121, 149
RGB Percent	10%, 47%, 58%
CMY	0.8991, 0.5261, 0.4163
CMYK	0.83, 0.19, 0.00, 0.42
HSL	194°, 71%, 34%
HSV	194°, 83%, 58%
XYZ	12.6505, 16.0195, 30.7946
YIQ	95.7870, -65.6080, -11.4320

Conversions

Conversions Part 2

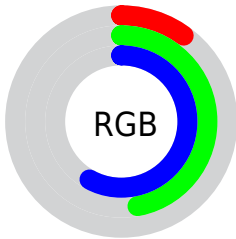
Format	Color
R_{YB}	26, 80, 149
Decimal	1735061
CIE _{Lab}	47.00, -16.27, -22.66
CIE _{LCh}	47, 27.894, 234.328
Yxy	16.0195, 0.2127, 0.2694
Android (android.graphics.Color)	4279925141 (0xFF1A7995)
YUV	95.7870, 26.2340, -61.2032
Hunter-Lab	40.0243, -13.6241, -17.6006

Details

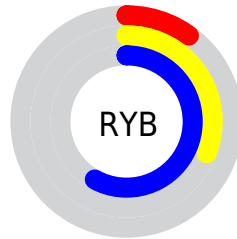
The CIELCh color **47, 27.894, 234.328** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **36, 53.619, 43.988**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 27.876, 234.756**, and **28, 22.692, 246.185** is the 20% darker color. If you saturate the color by 10%, you get **46, 29.103, 237.876**, and if you desaturate by 10%, it is **48, 26.218, 231.415**.

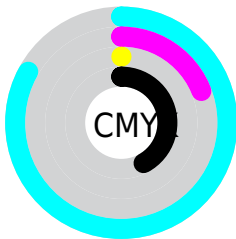
Distribution



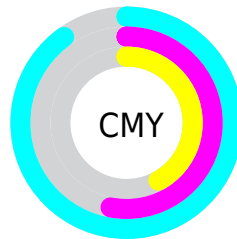
- Red (10%)
- Green (47%)
- Blue (58%)



- Red (10%)
- Yellow (31%)
- Blue (58%)



- Cyan (83%)
- Magenta (19%)
- Yellow (0%)
- Black (42%)



- Cyan (90%)
- Magenta (53%)
- Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 27.894, 234.328 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, 27.894, 234.328 by changing the saturation by 10% instead.


 47, 27.894,
234.328


 47, 27.894,
234.328

 100, 27.894,
234.328


 37, 27.894,
234.328

 67, 27.894,
234.328


 27, 27.894,
234.328

 77, 27.894,
234.328

 17, 27.894,
234.328

 87, 27.894,
234.328

 7, 27.894, 234.328

 97, 27.894,
234.328

 0, 27.894, 234.328

 47, 27.894,

 47, 27.894,

234.328

234.328

■ 46, 29.103,
237.876

■ 48, 26.218,
231.415

■ 45, 29.859,
240.666

■ 50, 24.019,
229.078

■ 52, 21.291,
227.236

■ 53, 18.061,
225.807

■ 55, 14.384,
224.716

■ 57, 10.321,
223.897

■ 59, 5.939, 223.311

■ 61, 1.301, 223.121

Harmonies

Complementary

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



47, 27.894, 234.328



36, 53.619, 43.988

Rectangle

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



47, 27.894, 234.328



47, 27.894, 284.328



47, 27.894, 54.328



47, 27.894, 104.328

Sweetspot

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



47, 27.893, 234.328



72, 13.963, 224.101



54, 66.281, 141.985



37, 9.402, 224.355



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



47, 27.893, 234.328



58, 36.305, 241.229



29, 56.427, 293.057



30, 2.647, 223.163



42, 28.178, 240.333



2, 2.365, 222.709

Inverse Universe

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



35, 62.052, 337.688



44, 78.788, 339.791



50, 50.306, 83.925



29, 4.929, 332.041



30, 61.583, 339.527



1, 4.283, 331.500

Previews

White Background



This preview shows how the CIELCh color 47, 27.894, 234.328 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, 27.894, 234.328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

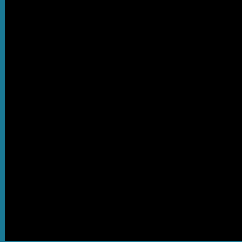
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 27.894, 234.328

Background



This preview shows how black text looks on a background with the CIELCh color 47, 27.894, 234.328.



This preview shows how white text looks on a background with the CIELCh color 47, 27.894, 234.328.

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, 27.894, 234.328

Protanopia

47, 18.461, 284.874

Deuteranopia

47, 25.005, 285.731



Tritanopia
47, 28.189, 208.950

Trichromacy



Original Color
47, 27.894, 234.328

Protanomaly
46, 21.240, 256.173

Deuteranomaly
46, 24.740, 262.170

Tritanomaly
47, 27.617, 218.588

Monochromacy



Original Color
47, 27.894, 234.328

Achromatopsia
41, 0.006, 296.813

Achromatomaly
42, 13.661, 224.551

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 27.894, 234.328 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(26, 121, 149)` looks like.

```
.text, #text, p{  
    color:rgb(26, 121, 149)  
}
```

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(26, 121, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 121, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 27.894, 234.328 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(26, 121, 149) }
```

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

```
.border{ border-color:rgb(26, 121, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 121, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 121, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 121, 149);  
box-shadow:4px 4px 4px 4px rgb(26, 121,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 27.894, 234.328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 121, 149) }
```

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

```
.background{ background-color: rgb(26, 121,  
149) }
```

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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