

Converting Colors

CIELCh(47, 22.596, 161.766)

Have a look what the booklet for
CIELCh(47, 22.596, 161.766)
contains.

CIELCh(47, 22.524, 161.745)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(47, 22.524, 161.745)

Conversions

Conversions Part 1

Format	Color
Hex	4A7963
RGB	74, 121, 99
RGB Percent	29%, 47%, 39%
CMY	0.7100, 0.5256, 0.6119
CMYK	0.39, 0.00, 0.18, 0.53
HSL	152°, 24%, 38%
HSV	152°, 39%, 47%
XYZ	11.9039, 16.0195, 14.2595
YIQ	104.4390, -20.9500, -16.8060

Conversions

Conversions Part 2

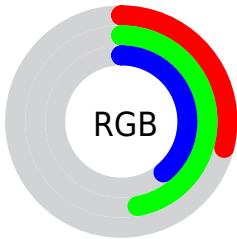
Format	Color
RYB	74, 105, 121
Decimal	4880739
CIELab	47.00, -21.39, 7.06
CIELCh	47, 22.524, 161.745
Yxy	16.0195, 0.2822, 0.3798
Android (android.graphics.Color)	4283070819 (0xFF4A7963)
YUV	104.4390, -2.6814, -26.6950
Hunter-Lab	40.0243, -16.9537, 6.8937

Details

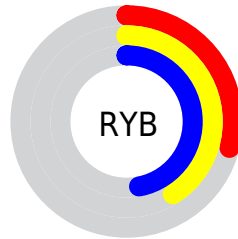
The CIELCh color **47, 22.524, 161.745** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **37, 23.744, 349.175**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 22.576, 161.644**, and **27, 22.763, 161.225** is the 20% darker color. If you saturate the color by 10%, you get **46, 27.894, 160.522**, and if you desaturate by 10%, it is **48, 16.899, 162.838**.

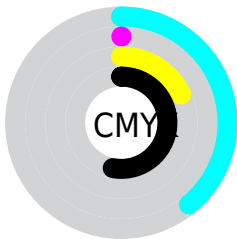
Distribution



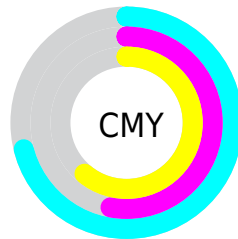
- Red (29%)
- Green (47%)
- Blue (39%)



- Red (29%)
- Yellow (41%)
- Blue (47%)



- Cyan (39%)
- Magenta (0%)
- Yellow (18%)
- Black (53%)




- Cyan (71%)
- Magenta (53%)
- Yellow (61%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 22.524, 161.745 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, 22.524, 161.745 by changing the saturation by 10% instead.

 47, 22.524,
161.745

 47, 22.524,
161.745


 100, 22.524,
161.745

 37, 22.524,
161.745

 67, 22.524,
161.745


 27, 22.524,
161.745

 77, 22.524,
161.745

 17, 22.524,
161.745

 87, 22.524,
161.745

 7, 22.524, 161.745

 97, 22.524,
161.745

 0, 22.524, 161.745

 47, 22.524,

 47, 22.524,

161.745

■ 46, 27.894,
160.522

■ 46, 32.914,
159.148

■ 45, 37.502,
157.603

■ 45, 41.593,
155.868

■ 45, 45.157,
153.937

■ 44, 48.333,
151.942

■ 44, 48.694,
151.730

161.745

■ 48, 16.899,
162.838

■ 49, 11.104,
163.826

■ 50, 5.222, 164.741

■ 51, 0.679, 345.070

■ 52, 6.546, 346.194

■ 54, 12.335,
346.902

■ 55, 18.015,
347.550

■ 56, 23.567,
348.154

■ 58, 28.977,

Harmonies

Complementary

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



47, 22.524, 161.745



37, 23.744, 349.175

Rectangle

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



47, 22.524, 161.745



47, 22.524, 211.745



47, 22.524, 341.745



47, 22.524, 31.745

Sweetspot

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



47, 22.525, 161.744



63, 8.811, 164.430



48, 29.093, 127.921



33, 5.812, 164.342



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



47, 22.525, 161.744



60, 33.449, 160.609



47, 16.437, 199.288



25, 3.354, 164.721



46, 49.924, 151.646



88, 86.278, 150.324

Inverse Universe

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



37, 23.744, 349.175



46, 35.605, 350.413



37, 21.388, 24.030



24, 3.400, 346.098



26, 49.864, 3.387



54, 83.787, 6.051

Previews

White Background



This preview shows how the CIELCh color 47, 22.524, 161.745 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, 22.524, 161.745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

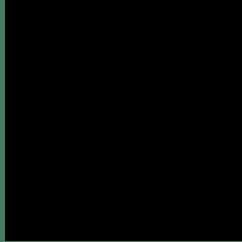
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 22.524, 161.745

Background



This preview shows how black text looks on a background with the CIELCh color 47, 22.524, 161.745.



This preview shows how white text looks on a background with the CIELCh color 47, 22.524, 161.745.

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, 22.524, 161.745

Protanopia
47, 10.340, 94.228

Deuteranopia
47, 8.254, 41.054



Tritanopia
47, 14.152, 223.066

Trichromacy



Original Color
47, 22.524, 161.745

Protanomaly
47, 12.673, 136.182

Deuteranomaly
46, 6.981, 130.254

Tritanomaly
47, 14.690, 195.478

Monochromacy



Original Color
47, 22.524, 161.745

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 8.442, 164.018

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 22.524, 161.745 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(74, 121, 99)` looks like.

```
.text, #text, p{  
    color:rgb(74, 121, 99)  
}
```

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(74, 121, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 121, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 22.524, 161.745 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(74, 121, 99) }
```

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

```
.border{ border-color:rgb(74, 121, 99) }
```

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

Here you see how a box with a 4 pixel rgb(74, 121, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 121, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 121, 99);  
box-shadow:4px 4px 4px 4px rgb(74, 121,  
99) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 22.524, 161.745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 121, 99) }
```

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

```
.background{ background-color: rgb(74, 121,  
99) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor