

Converting Colors

CIELCh(41, 48.069, 149.690)

Have a look what the booklet for
CIELCh(41, 48.069, 149.690)
contains.

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Color

CIELCh(41, 47.875, 149.826)

Conversions

Conversions Part 1

Format	Color
Hex	007037
RGB	0, 112, 55
RGB Percent	0%, 44%, 22%
CMY	1.0000, 0.5608, 0.7843
CMYK	1.00, 0.00, 0.51, 0.56
HSL	149°, 100%, 22%
HSV	149°, 100%, 44%
XYZ	6.4840, 11.8645, 5.5629
YIQ	72.0140, -48.4550, -41.4710

Conversions

Conversions Part 2

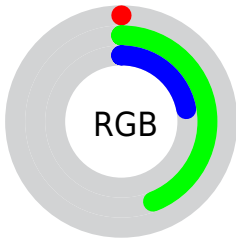
Format	Color
RYB	0, 75, 112
Decimal	28727
CIELab	41.00, -41.39, 24.06
CIELCh	41, 47.875, 149.826
Yxy	11.8645, 0.2712, 0.4962
Android (android.graphics.Color)	4278218807 (0xFF007037)
YUV	72.0140, -8.3879, -63.1563
Hunter-Lab	34.4449, -26.6773, 14.5360

Details

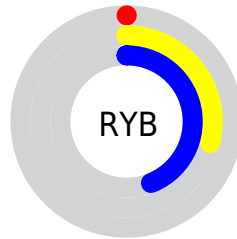
The CIELCh color **41, 47.875, 149.826** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **23, 46.493, 359.132**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 48.042, 149.899**, and **22, 40.025, 140.033** is the 20% darker color. If you saturate the color by 10%, you get **41, 47.878, 149.825**, and if you desaturate by 10%, it is **41, 44.658, 151.730**.

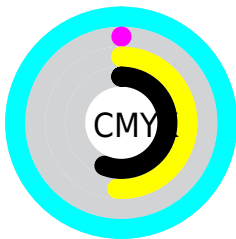
Distribution



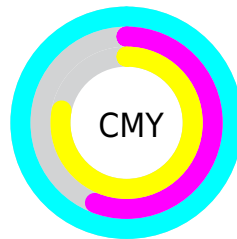
- Red (0%)
- Green (44%)
- Blue (22%)



- Red (0%)
- Yellow (29%)
- Blue (44%)



- Cyan (100%)
- Magenta (0%)
- Yellow (51%)
- Black (56%)





- Cyan (100%)
- Magenta (56%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 47.875, 149.826 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 41, 47.875, 149.826 by changing the saturation by 10% instead.


 41, 47.875,
149.826


 41, 47.875,
149.826


 100, 47.875,
149.826


 31, 47.875,
149.826

 61, 47.875,
149.826


 21, 47.875,
149.826

 71, 47.875,
149.826

 11, 47.875,
149.826

 81, 47.875,
149.826

 1, 47.875, 149.826

 91, 47.875,
149.826

 0, 47.875, 149.826

 41, 47.875,

 41, 47.875,

149.826

149.826

■ 41, 47.878,
149.825

■ 41, 44.658,
151.730

■ 41, 41.133,
153.648

■ 42, 37.106,
155.376

■ 42, 32.610,
156.916

■ 43, 27.707,
158.282

■ 44, 22.478,
159.494

■ 44, 17.012,
160.574

■ 45, 11.393,
161.544

Harmonies

Complementary

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



41, 47.875, 149.826



23, 46.493, 359.132

Rectangle

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



41, 47.875, 149.826



41, 47.875, 199.826



41, 47.875, 329.826



41, 47.875, 19.826

Sweetspot

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



41, 47.875, 149.826



57, 21.058, 160.493



42, 58.741, 126.736



29, 14.441, 160.151



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



41, 47.875, 149.826



53, 58.541, 149.174



42, 27.649, 193.970



23, 3.211, 162.519



44, 50.436, 149.641



86, 88.645, 148.248

Inverse Universe

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



23, 46.493, 359.132



31, 55.938, 0.283



22, 54.334, 36.436



22, 3.247, 343.825



25, 48.755, 359.455



53, 82.815, 1.997

Previews

White Background



This preview shows how the CIELCh color 41, 47.875, 149.826 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 41, 47.875, 149.826 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 41, 47.875, 149.826

Background



This preview shows how black text looks on a background with the CIELCh color 41, 47.875, 149.826.



This preview shows how white text looks on a background with the CIELCh color 41, 47.875, 149.826.

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

41, 47.875, 149.826

Protanopia

41, 28.185, 96.003

Deuteranopia

41, 22.970, 75.626



Tritanopia
41, 20.337, 211.164

Trichromacy



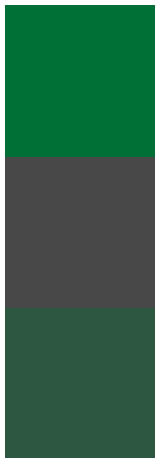
Original Color
41, 47.875, 149.826

Protanomaly
40, 33.190, 132.821

Deuteranomaly
39, 26.959, 131.002

Tritanomaly
41, 27.735, 176.898

Monochromacy



Original Color
41, 47.875, 149.826

Achromatopsia
31, 0.005, 296.813

Achromatomaly
34, 21.406, 158.660

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 47.875, 149.826 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(0, 112, 55)` looks like.

```
.text, #text, p{  
    color:rgb(0, 112, 55)  
}
```

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(0, 112, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 112, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 47.875, 149.826 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(0, 112, 55) }
```

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

```
.border{ border-color:rgb(0, 112, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 112, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 112, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 112, 55);  
box-shadow:4px 4px 4px 4px rgb(0, 112, 55)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 41, 47.875, 149.826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 112, 55) }
```

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

```
.background{ background-color: rgb(0, 112,  
55) }
```

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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