

Converting Colors

CIELCh(42, 62.611, 170.181)

Have a look what the booklet for
CIELCh(42, 62.611, 170.181)
contains.

CIELCh(44, 41.537, 160.220)	3
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Color

CIELCh(44, 41.537, 160.220)

Conversions

Conversions Part 1

Format	Color
Hex	00774F
RGB	0, 119, 79
RGB Percent	0%, 47%, 31%
CMY	1.0000, 0.5319, 0.6886
CMYK	1.00, 0.00, 0.33, 0.53
HSL	160°, 100%, 23%
HSV	160°, 100%, 47%
XYZ	8.0452, 13.8382, 9.7222
YIQ	78.8590, -58.0840, -37.6680

Conversions

Conversions Part 2

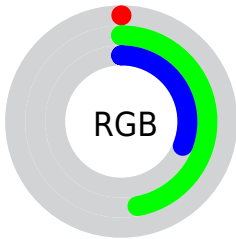
Format	Color
RYB	0, 72, 119
Decimal	30543
CIELab	44.00, -39.09, 14.06
CIELCh	44, 41.537, 160.220
Yxy	13.8382, 0.2545, 0.4378
Android (android.graphics.Color)	4278220623 (0xFF00774F)
YUV	78.8590, 0.0695, -69.1593
Hunter-Lab	37.1997, -26.4953, 10.5444

Details

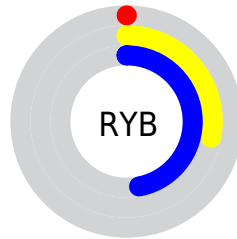
The CIELCh color **44, 41.537, 160.220** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **24, 48.859, 15.575**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 41.389, 159.863**, and **25, 33.090, 151.603** is the 20% darker color. If you saturate the color by 10%, you get **44, 41.435, 160.135**, and if you desaturate by 10%, it is **44, 39.023, 162.041**.

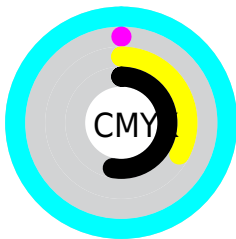
Distribution



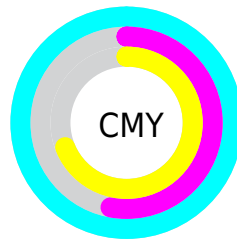
- Red (0%)
- Green (47%)
- Blue (31%)



- Red (0%)
- Yellow (28%)
- Blue (47%)



- Cyan (100%)
- Magenta (0%)
- Yellow (33%)
- Black (53%)





- Cyan (100%)
- Magenta (53%)
- Yellow (69%)
- Black (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 41.537, 160.220 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 44, 41.537, 160.220 by changing the saturation by 10% instead.


 44, 41.537,
160.220


 44, 41.537,
160.220


 100, 41.537,
160.220


 34, 41.537,
160.220

 64, 41.537,
160.220


 24, 41.537,
160.220

 74, 41.537,
160.220

 14, 41.537,
160.220

 84, 41.537,
160.220

 4, 41.537, 160.220

 94, 41.537,
160.220

 0, 41.537, 160.220

 44, 41.537,

 44, 41.537,

160.220

160.220

■ 44, 41.435,
160.135

■ 44, 39.023,
162.041

■ 44, 36.305,
163.910

■ 45, 33.073,
165.592

■ 45, 29.340,
167.100

■ 46, 25.151,
168.455

■ 46, 20.576,
169.679

■ 47, 15.694,
170.792

■ 48, 10.587,
171.818

Harmonies

Complementary

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



44, 41.537, 160.220



24, 48.859, 15.575

Rectangle

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



44, 41.537, 160.220



44, 41.537, 210.220



44, 41.537, 340.220



44, 41.537, 30.220

Sweetspot

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



44, 41.435, 160.135



61, 19.474, 170.712



44, 64.623, 131.600



31, 13.319, 170.340



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



44, 41.435, 160.135



57, 50.714, 159.532



39, 24.894, 223.458



24, 2.960, 172.881



45, 42.234, 160.072



88, 73.202, 158.754

Inverse Universe

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



24, 48.859, 15.575



32, 59.523, 17.099



25, 55.609, 41.361



23, 3.026, 354.342



25, 49.775, 15.735



53, 85.496, 19.078

Previews

White Background



This preview shows how the CIELCh color 44, 41.537, 160.220 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 44, 41.537, 160.220 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 44, 41.537, 160.220

Background



This preview shows how black text looks on a background with the CIELCh color 44, 41.537, 160.220.



This preview shows how white text looks on a background with the CIELCh color 44, 41.537, 160.220.

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


44, 41.413, 160.038

Protanopia

44, 18.742, 96.207

Deuteranopia

44, 13.544, 64.541



Tritanopia

44, 22.503, 211.125

Trichromacy



Original Color
44, 41.413, 160.038

Protanomaly
43, 26.537, 144.850

Deuteranomaly
42, 19.634, 147.478

Tritanomaly
44, 27.704, 185.022

Monochromacy



Original Color
44, 41.413, 160.038

Achromatopsia
34, 0.005, 296.813

Achromatomaly
36, 19.651, 168.603

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 41.537, 160.220 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, 119, 79)` looks like.

```
.text, #text, p{  
    color:rgb(0, 119, 79)  
}
```

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, 119, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 119, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 41.537, 160.220 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, 119, 79) }
```

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

```
.border{ border-color:rgb(0, 119, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 119, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 119, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 119, 79);  
box-shadow:4px 4px 4px 4px rgb(0, 119, 79)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 44, 41.537, 160.220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 119, 79) }
```

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

```
.background{ background-color: rgb(0, 119,  
79) }
```

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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