

Converting Colors

CIELCh(44, 51.154, 153.403)

Have a look what the booklet for
CIELCh(44, 51.154, 153.403)
contains.

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Color

CIELCh(44, 48.861, 151.568)

Conversions

Conversions Part 1

Format	Color
Hex	00783F
RGB	0, 120, 63
RGB Percent	0%, 47%, 25%
CMY	1.0000, 0.5285, 0.7517
CMYK	1.00, 0.00, 0.47, 0.53
HSL	152°, 100%, 24%
HSV	152°, 100%, 47%
XYZ	7.6260, 13.8382, 7.0169
YIQ	77.6220, -53.2230, -43.1670

Conversions

Conversions Part 2

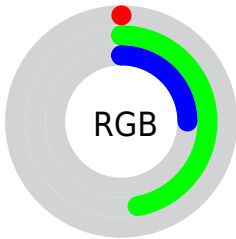
Format	Color
RYB	0, 79, 120
Decimal	30783
CIELab	44.00, -42.97, 23.26
CIELCh	44, 48.861, 151.568
Yxy	13.8382, 0.2678, 0.4859
Android (android.graphics.Color)	4278220863 (0xFF00783F)
YUV	77.6220, -7.2086, -68.0745
Hunter-Lab	37.1997, -28.5069, 14.8561

Details

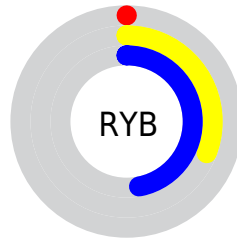
The CIELCh color **44, 48.861, 151.568** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **25, 48.548, 2.699**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 48.356, 151.641**, and **25, 40.768, 142.239** is the 20% darker color. If you saturate the color by 10%, you get **44, 48.743, 151.458**, and if you desaturate by 10%, it is **44, 45.565, 153.427**.

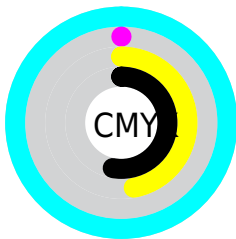
Distribution



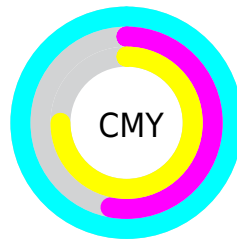
- Red (0%)
- Green (47%)
- Blue (25%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (47%)
- Black (53%)



- Cyan (100%)
- Magenta (53%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 48.861, 151.568 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, 48.861, 151.568 by changing the saturation by 10% instead.


 44, 48.861,
151.568

 44, 48.861,
151.568


 100, 48.861,
151.568

 34, 48.861,
151.568

 64, 48.861,
151.568

 24, 48.861,
151.568

 74, 48.861,
151.568

 14, 48.861,
151.568

 84, 48.861,
151.568

 4, 48.861, 151.568

 94, 48.861,
151.568

 0, 48.861, 151.568

 44, 48.861,

 44, 48.861,

151.568

■ 44, 48.743,
151.458

151.568

■ 44, 45.565,
153.427

■ 45, 42.047,
155.377

■ 45, 38.003,
157.132

■ 45, 33.460,
158.697

■ 46, 28.478,
160.087

■ 47, 23.141,
161.323

■ 47, 17.540,
162.428

■ 48, 11.762,
163.424

Harmonies

Complementary

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



44, 48.861, 151.568



25, 48.548, 2.699

Rectangle

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



44, 48.861, 151.568



44, 48.861, 201.568



44, 48.861, 331.568



44, 48.861, 21.568

Sweetspot

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



44, 48.743, 151.458



60, 21.643, 162.351



45, 62.516, 127.971



31, 14.834, 161.985



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, 48.743, 151.458



56, 59.468, 150.851



45, 28.094, 198.914



25, 3.367, 164.423



46, 50.208, 151.358



88, 86.779, 150.037

Inverse Universe

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



25, 48.548, 2.699



33, 58.439, 3.879



24, 57.919, 38.183



24, 3.412, 345.794



26, 49.895, 2.891



54, 83.800, 5.522

Previews

White Background



This preview shows how the CIELCh color 44, 48.861, 151.568 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, 48.861, 151.568 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, 48.861, 151.568

Background



This preview shows how black text looks on a background with the CIELCh color 44, 48.861, 151.568.



This preview shows how white text looks on a background with the CIELCh color 44, 48.861, 151.568.

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, 48.751, 151.380

Protanopia

44, 27.930, 96.333

Deuteranopia

44, 22.405, 74.307



Tritanopia
44, 21.772, 211.676

Trichromacy



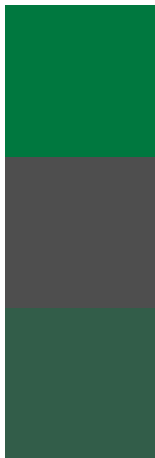
Original Color
44, 48.751, 151.380

Protanomaly
43, 33.937, 134.268

Deuteranomaly
42, 27.015, 132.689

Tritanomaly
44, 28.975, 178.008

Monochromacy



Original Color
44, 48.751, 151.380

Achromatopsia
33, 0.005, 296.813

Achromatomaly
36, 21.352, 161.191

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 48.861, 151.568 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, 120, 63)` looks like.

```
.text, #text, p{  
    color:rgb(0, 120, 63)  
}
```

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, 120, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 120, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 48.861, 151.568 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, 120, 63) }
```

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

```
.border{ border-color:rgb(0, 120, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 120, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 120, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 120, 63);  
box-shadow:4px 4px 4px 4px rgb(0, 120, 63)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 44, 48.861, 151.568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 120, 63) }
```

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

```
.background{ background-color: rgb(0, 120,  
63) }
```

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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