

Converting Colors

CIELCh(44, 47.851, 150.857)

Have a look what the booklet for
CIELCh(44, 47.851, 150.857)
contains.

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Color

CIELCh(44, 48.015, 150.670)

Conversions

Conversions Part 1

Format	Color
Hex	0C783F
RGB	12, 120, 63
RGB Percent	5%, 47%, 25%
CMY	0.9540, 0.5299, 0.7534
CMYK	0.90, 0.00, 0.48, 0.53
HSL	148°, 82%, 26%
HSV	148°, 90%, 47%
XYZ	7.7441, 13.8382, 6.9499
YIQ	81.2100, -46.0710, -40.6230

Conversions

Conversions Part 2

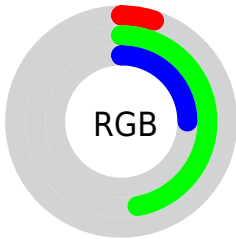
Format	Color
R_{YB}	12, 85, 120
Decimal	817215
CIE _{Lab}	44.00, -41.86, 23.52
CIE _{LCh}	44, 48.015, 150.670
Yxy	13.8382, 0.2714, 0.4850
Android (android.graphics.Color)	4279007295 (0xFF0C783F)
YUV	81.2100, -8.9775, -60.6972
Hunter-Lab	37.1997, -27.9402, 14.9629

Details

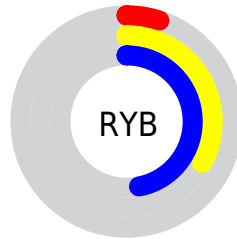
The CIELCh color **44, 48.015, 150.670** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **26, 47.408, 354.971**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 47.599, 150.860**, and **25, 40.768, 142.239** is the 20% darker color. If you saturate the color by 10%, you get **44, 51.354, 148.771**, and if you desaturate by 10%, it is **44, 44.245, 152.613**.

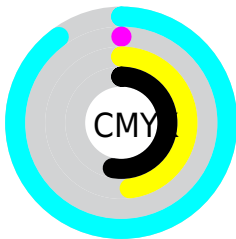
Distribution



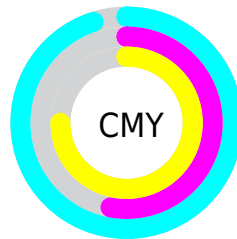
- Red (5%)
- Green (47%)
- Blue (25%)



- Red (5%)
- Yellow (33%)
- Blue (47%)



- Cyan (90%)
- Magenta (0%)
- Yellow (48%)
- Black (53%)



- Cyan (95%)
- Magenta (53%)
- Yellow (75%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 48.015, 150.670 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, 48.015, 150.670 by changing the saturation by 10% instead.

 44, 48.015,
150.670


 44, 48.015,
150.670


 100, 48.015,
150.670

 34, 48.015,
150.670

 64, 48.015,
150.670


 24, 48.015,
150.670


 74, 48.015,
150.670

 14, 48.015,
150.670

 84, 48.015,
150.670

 4, 48.015, 150.670

 94, 48.015,
150.670

 0, 48.015, 150.670

 44, 48.015,

 44, 48.015,

150.670

■ 44, 51.354,
148.771

150.670

■ 44, 44.245,
152.613

■ 45, 39.934,
154.366

■ 45, 35.114,
155.926

■ 46, 29.855,
157.309

■ 46, 24.245,
158.532

■ 47, 18.380,
159.618

■ 48, 12.353,
160.590

■ 49, 6.247, 161.476

Harmonies

Complementary

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



44, 48.015, 150.670



26, 47.408, 354.971

Rectangle

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



44, 48.015, 150.670



44, 48.015, 200.670



44, 48.015, 330.670



44, 48.015, 20.670

Sweetspot

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



44, 48.015, 150.670



61, 20.351, 159.877



45, 58.246, 125.661



31, 13.798, 159.605



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, 48.015, 150.670



56, 62.820, 148.163



45, 28.607, 192.003



25, 3.499, 161.575



46, 53.019, 148.665



88, 91.720, 147.360

Inverse Universe

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



26, 47.408, 354.971



33, 58.994, 358.895



25, 53.018, 34.329



24, 3.536, 342.887



26, 50.439, 358.040



55, 84.384, 0.324

Previews

White Background



This preview shows how the CIE LCh color 44, 48.015, 150.670 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 CIE LCh color 44, 48.015, 150.670 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, 48.015, 150.670

Background



This preview shows how black text looks on a background with the CIELCh color 44, 48.015, 150.670.



This preview shows how white text looks on a background with the CIELCh color 44, 48.015, 150.670.

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, 48.015, 150.670

Protanopia

44, 27.930, 96.333

Deuteranopia

44, 22.130, 75.308



Tritanopia
44, 21.355, 212.018

Trichromacy



Original Color
44, 48.015, 150.670

Protanomaly
43, 33.146, 131.928

Deuteranomaly
42, 26.449, 130.325

Tritanomaly
44, 28.202, 177.585

Monochromacy



Original Color
44, 48.015, 150.670

Achromatopsia
34, 0.005, 296.813

Achromatomaly
37, 20.631, 157.992

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 48.015, 150.670 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(12, 120, 63)` looks like.

```
.text, #text, p{  
    color:rgb(12, 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(12, 120, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 120, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 48.015, 150.670 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(12, 120, 63) }
```

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

```
.border{ border-color:rgb(12, 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(12, 120, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 120, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 120, 63);  
box-shadow:4px 4px 4px 4px rgb(12, 120,  
63) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 48.015, 150.670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 120, 63) }
```

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

```
.background{ background-color: rgb(12, 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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