

Converting Colors

CIELCh(44, 42.366, 157.261)

Have a look what the booklet for
CIELCh(44, 42.366, 157.261)
contains.

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Color

CIELCh(44, 42.393, 157.080)

Conversions

Conversions Part 1

Format	Color
Hex	0C774B
RGB	12, 119, 75
RGB Percent	5%, 47%, 29%
CMY	0.9545, 0.5324, 0.7050
CMYK	0.90, 0.00, 0.37, 0.53
HSL	155°, 82%, 26%
HSV	155°, 90%, 47%
XYZ	8.0496, 13.8382, 8.9435
YIQ	81.9910, -49.6480, -36.3680

Conversions

Conversions Part 2

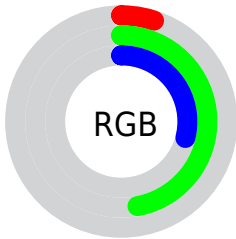
Format	Color
RYB	12, 79, 119
Decimal	816971
CIELab	44.00, -39.05, 16.51
CIELCh	44, 42.393, 157.080
Yxy	13.8382, 0.2611, 0.4488
Android (android.graphics.Color)	4279007051 (0xFF0C774B)
YUV	81.9910, -3.4466, -61.3821
Hunter-Lab	37.1997, -26.4741, 11.7854

Details

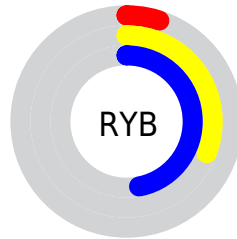
The CIELCh color **44, 42.393, 157.080** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **25, 46.015, 4.877**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 42.346, 157.085**, and **25, 34.960, 148.875** is the 20% darker color. If you saturate the color by 10%, you get **44, 45.146, 155.175**, and if you desaturate by 10%, it is **44, 39.263, 159.018**.

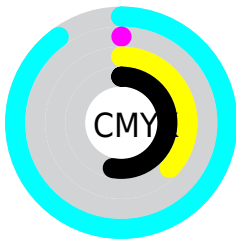
Distribution



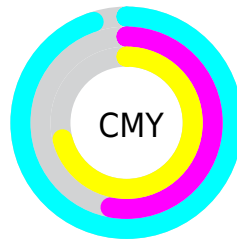
- Red (5%)
- Green (47%)
- Blue (29%)



- Red (5%)
- Yellow (31%)
- Blue (47%)



- Cyan (90%)
- Magenta (0%)
- Yellow (37%)
- Black (53%)



- Cyan (95%)
- Magenta (53%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 42.393, 157.080 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, 42.393, 157.080 by changing the saturation by 10% instead.

 44, 42.393,
157.080

 44, 42.393,
157.080


 100, 42.393,
157.080

 34, 42.393,
157.080

 64, 42.393,
157.080

 24, 42.393,
157.080

 74, 42.393,
157.080

 14, 42.393,
157.080

 84, 42.393,
157.080

 4, 42.393, 157.080

 94, 42.393,
157.080

 0, 42.393, 157.080

 44, 42.393,

 44, 42.393,

157.080

157.080

■ 44, 45.146,
155.175

■ 44, 39.263,
159.018

■ 45, 35.619,
160.762

■ 45, 31.480,
162.320

■ 46, 26.899,
163.711

■ 46, 21.951,
164.956

■ 47, 16.720,
166.077

■ 48, 11.292,
167.098

■ 49, 5.745, 168.046

Harmonies

Complementary

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



44, 42.393, 157.080



25, 46.015, 4.877

Rectangle

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



44, 42.393, 157.080



44, 42.393, 207.080



44, 42.393, 337.080



44, 42.393, 27.080

Sweetspot

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



44, 42.393, 157.080



61, 18.588, 166.350



44, 60.109, 129.453



31, 12.588, 166.066



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, 42.393, 157.080



56, 55.378, 154.550



42, 25.349, 209.233



24, 3.106, 168.164



45, 46.056, 155.107



87, 80.082, 153.750

Inverse Universe

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



25, 46.015, 4.877



33, 58.483, 10.049



25, 52.319, 38.129



23, 3.160, 349.582



25, 49.081, 8.806



53, 83.552, 11.876

Previews

White Background



This preview shows how the CIELCh color 44, 42.393, 157.080 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, 42.393, 157.080 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, 42.393, 157.080

Background



This preview shows how black text looks on a background with the CIELCh color 44, 42.393, 157.080.



This preview shows how white text looks on a background with the CIELCh color 44, 42.393, 157.080.

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, 42.325, 157.018

Protanopia

44, 21.031, 97.003

Deuteranopia

44, 15.282, 67.542



Tritanopia
44, 21.947, 213.221

Trichromacy



Original Color
44, 42.325, 157.018

Protanomaly
43, 27.562, 139.576

Deuteranomaly
42, 19.925, 140.086

Tritanomaly
44, 26.642, 184.649

Monochromacy



Original Color
44, 42.325, 157.018

Achromatopsia
35, 0.005, 296.813

Achromatomaly
37, 18.851, 165.451

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 42.393, 157.080 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, 119, 75)` looks like.

```
.text, #text, p{  
    color:rgb(12, 119, 75)  
}
```

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, 119, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 119, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 42.393, 157.080 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, 119, 75) }
```

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

```
.border{ border-color:rgb(12, 119, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 119, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 119, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 119, 75);  
box-shadow:4px 4px 4px 4px rgb(12, 119,  
75) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 42.393, 157.080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 119, 75) }
```

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

```
.background{ background-color: rgb(12, 119,  
75) }
```

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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