

Converting Colors

CIELCh(43, 63.410, 167.452)

Have a look what the booklet for
CIELCh(43, 63.410, 167.452)
contains.

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Color

CIELCh(45, 44.409, 157.330)

Conversions

Conversions Part 1

Format	Color
Hex	007A4C
RGB	0, 122, 76
RGB Percent	0%, 48%, 30%
CMY	1.0000, 0.5199, 0.7001
CMYK	1.00, 0.00, 0.38, 0.52
HSL	157°, 100%, 24%
HSV	157°, 100%, 48%
XYZ	8.3140, 14.5417, 9.2929
YIQ	80.2780, -57.9460, -40.1700

Conversions

Conversions Part 2

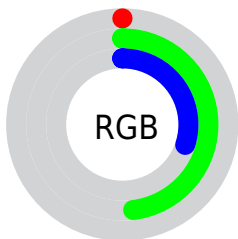
Format	Color
RYB	0, 75, 122
Decimal	31308
CIELab	45.00, -40.98, 17.12
CIELCh	45, 44.409, 157.330
Yxy	14.5417, 0.2586, 0.4523
Android (android.graphics.Color)	4278221388 (0xFF007A4C)
YUV	80.2780, -2.1091, -70.4038
Hunter-Lab	38.1336, -27.8165, 12.2450

Details

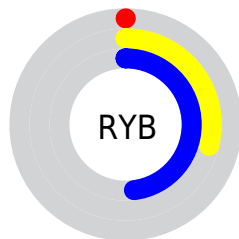
The CIELCh color **45, 44.409, 157.330** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **25, 49.297, 11.962**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 44.063, 157.091**, and **26, 36.238, 148.511** is the 20% darker color. If you saturate the color by 10%, you get **45, 44.319, 157.253**, and if you desaturate by 10%, it is **45, 41.640, 159.214**.

Distribution



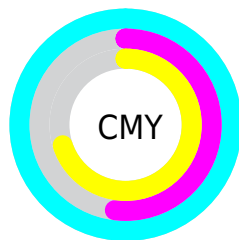
- Red (0%)
- Green (48%)
- Blue (30%)



- Red (0%)
- Yellow (29%)
- Blue (48%)



- Cyan (100%)
- Magenta (0%)
- Yellow (38%)
- Black (52%)





- Cyan (100%)
- Magenta (52%)
- Yellow (70%)
- Black (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 44.409, 157.330 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 45, 44.409, 157.330 by changing the saturation by 10% instead.


 45, 44.409,
157.330


 45, 44.409,
157.330


 100, 44.409,
157.330

 35, 44.409,
157.330

 65, 44.409,
157.330

 25, 44.409,
157.330

 75, 44.409,
157.330

 15, 44.409,
157.330

 85, 44.409,
157.330

 5, 44.409, 157.330

 95, 44.409,
157.330

 0, 44.409, 157.330

 45, 44.409,

 45, 44.409,

157.330

157.330

■ 45, 44.319,
157.253

■ 45, 41.640,
159.214

■ 45, 38.635,
161.134

■ 46, 35.105,
162.862

■ 46, 31.067,
164.408

■ 47, 26.571,
165.791

■ 48, 21.690,
167.034

■ 48, 16.510,
168.158

■ 49, 11.116,
169.186

Harmonies

Complementary

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



45, 44.409, 157.330



25, 49.297, 11.962

Rectangle

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



45, 44.409, 157.330



45, 44.409, 207.330



45, 44.409, 337.330



45, 44.409, 27.330

Sweetspot

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



45, 44.319, 157.253



61, 20.336, 168.081



45, 65.253, 130.847



31, 13.736, 167.712



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



45, 44.319, 157.253



57, 53.924, 156.668



41, 25.705, 216.761



25, 3.148, 170.237



46, 45.015, 157.201



88, 77.563, 155.895

Inverse Universe

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



25, 49.297, 11.962



33, 59.542, 13.348



25, 57.421, 40.538



24, 3.209, 351.693



25, 50.037, 12.084



54, 84.898, 15.210

Previews

White Background



This preview shows how the CIELCh color 45, 44.409, 157.330 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 45, 44.409, 157.330 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 45, 44.409, 157.330

Background



This preview shows how black text looks on a background with the CIELCh color 45, 44.409, 157.330.



This preview shows how white text looks on a background with the CIELCh color 45, 44.409, 157.330.

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

45, 44.291, 157.147

Protanopia

45, 21.625, 96.023

Deuteranopia

45, 16.444, 68.849



Tritanopia
45, 22.417, 212.789

Trichromacy



Original Color

45, 44.291, 157.147



Protanomaly

43, 28.873, 141.426



Deuteranomaly

43, 21.754, 141.881



Tritanomaly

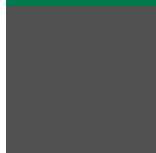
45, 28.081, 183.953

Monochromacy



Original Color

45, 44.291, 157.147



Achromatopsia

34, 0.005, 296.813



Achromatomaly

37, 20.358, 165.793

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 44.409, 157.330 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, 122, 76)` looks like.

```
.text, #text, p{  
    color:rgb(0, 122, 76)  
}
```

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, 122, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 122, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 44.409, 157.330 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, 122, 76) }
```

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

```
.border{ border-color:rgb(0, 122, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 122, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 122, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 122, 76);  
box-shadow:4px 4px 4px 4px rgb(0, 122, 76)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 45, 44.409, 157.330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 122, 76) }
```

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

```
.background{ background-color: rgb(0, 122,  
76) }
```

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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