

Converting Colors

CIELCh(39, 97.057, 168.582)

Have a look what the booklet for
CIELCh(39, 97.057, 168.582)
contains.

CIELCh(43, 49.812, 149.706)	3
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Color

CIELCh(43, 49.812, 149.706)

Conversions

Conversions Part 1

Format	Color
Hex	00763A
RGB	0, 118, 58
RGB Percent	0%, 46%, 23%
CMY	1.0000, 0.5388, 0.7740
CMYK	1.00, 0.00, 0.51, 0.54
HSL	149°, 100%, 23%
HSV	149°, 100%, 46%
XYZ	7.1735, 13.1578, 6.1166
YIQ	75.8780, -51.0680, -43.6760

Conversions

Conversions Part 2

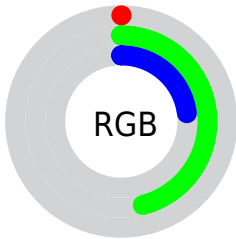
Format	Color
RYB	0, 79, 118
Decimal	30266
CIELab	43.00, -43.01, 25.13
CIELCh	43, 49.812, 149.706
Yxy	13.1578, 0.2712, 0.4975
Android (android.graphics.Color)	4278220346 (0xFF00763A)
YUV	75.8780, -8.8139, -66.5450
Hunter-Lab	36.2736, -28.1788, 15.3939

Details

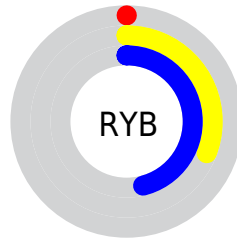
The CIELCh color **43, 49.812, 149.706** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **24, 48.119, 359.286**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 49.879, 149.700**, and **24, 41.607, 140.514** is the 20% darker color. If you saturate the color by 10%, you get **43, 49.751, 149.646**, and if you desaturate by 10%, it is **43, 46.443, 151.586**.

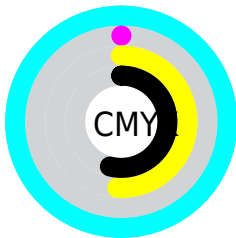
Distribution



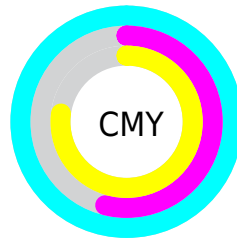
- Red (0%)
- Green (46%)
- Blue (23%)



- Red (0%)
- Yellow (31%)
- Blue (46%)



- Cyan (100%)
- Magenta (0%)
- Yellow (51%)
- Black (54%)





- Cyan (100%)
- Magenta (54%)
- Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 49.812, 149.706 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 43, 49.812, 149.706 by changing the saturation by 10% instead.


 43, 49.812,
149.706


 43, 49.812,
149.706


 100, 49.812,
149.706

 33, 49.812,
149.706

 63, 49.812,
149.706


 23, 49.812,
149.706

 73, 49.812,
149.706

 13, 49.812,
149.706

 83, 49.812,
149.706

 3, 49.812, 149.706

 93, 49.812,
149.706

 0, 49.812, 149.706

 43, 49.812,

 43, 49.812,

149.706

149.706

■ 43, 49.751,
149.646

■ 43, 46.443,
151.586

■ 43, 42.793,
153.524

■ 44, 38.618,
155.269

■ 44, 33.949,
156.823

■ 45, 28.853,
158.201

■ 46, 23.413,
159.423

■ 46, 17.722,
160.510

■ 47, 11.871,
161.486

Harmonies

Complementary

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



43, 49.812, 149.706



24, 48.119, 359.286

Rectangle

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



43, 49.812, 149.706



43, 49.812, 199.706



43, 49.812, 329.706



43, 49.812, 19.706

Sweetspot

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



43, 49.751, 149.646



59, 21.973, 160.432



44, 60.870, 126.824



30, 14.863, 160.085



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



43, 49.751, 149.646



55, 60.973, 149.019



44, 28.629, 193.957



24, 3.335, 162.464



45, 51.307, 149.541



87, 89.444, 148.190

Inverse Universe

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



24, 48.119, 359.286



33, 58.061, 0.399



23, 56.633, 36.950



23, 3.373, 343.783



25, 49.494, 359.470



54, 83.469, 1.935

Previews

White Background



This preview shows how the CIELCh color 43, 49.812, 149.706 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 43, 49.812, 149.706 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 43, 49.812, 149.706

Background



This preview shows how black text looks on a background with the CIELCh color 43, 49.812, 149.706.



This preview shows how white text looks on a background with the CIELCh color 43, 49.812, 149.706.

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

43, 49.812, 149.706

Protanopia

43, 29.222, 95.434

Deuteranopia

43, 24.038, 76.082



Tritanopia
43, 21.099, 212.252

Trichromacy



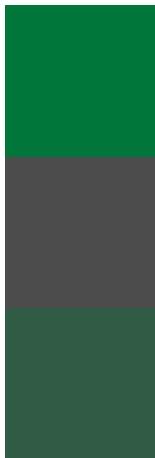
Original Color
43, 49.812, 149.706

Protanomaly
41, 34.850, 132.759

Deuteranomaly
41, 27.986, 130.827

Tritanomaly
43, 28.716, 176.452

Monochromacy



Original Color
43, 49.812, 149.706

Achromatopsia
32, 0.005, 296.813

Achromatomaly
35, 22.253, 158.639

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 49.812, 149.706 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, 118, 58)` looks like.

```
.text, #text, p{  
    color:rgb(0, 118, 58)  
}
```

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, 118, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 118, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 49.812, 149.706 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, 118, 58) }
```

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

```
.border{ border-color:rgb(0, 118, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 118, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 118, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 118, 58);  
box-shadow:4px 4px 4px 4px rgb(0, 118, 58)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 43, 49.812, 149.706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 118, 58) }
```

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

```
.background{ background-color: rgb(0, 118,  
58) }
```

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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