

Converting Colors

CIELCh(43, 49.160, 150.145)

Have a look what the booklet for
CIELCh(43, 49.160, 150.145)
contains.

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Color

CIELCh(43, 49.323, 150.068)

Conversions

Conversions Part 1

Format	Color
Hex	00763B
RGB	0, 118, 59
RGB Percent	0%, 46%, 23%
CMY	1.0000, 0.5391, 0.7703
CMYK	1.00, 0.00, 0.50, 0.54
HSL	150°, 100%, 23%
HSV	150°, 100%, 46%
XYZ	7.2006, 13.1578, 6.2411
YIQ	75.9920, -51.3890, -43.3650

Conversions

Conversions Part 2

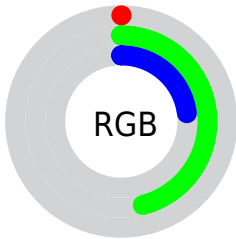
Format	Color
RYB	0, 79, 118
Decimal	30267
CIELab	43.00, -42.74, 24.61
CIELCh	43, 49.323, 150.068
Yxy	13.1578, 0.2707, 0.4947
Android (android.graphics.Color)	4278220347 (0xFF00763B)
YUV	75.9920, -8.3771, -66.6450
Hunter-Lab	36.2736, -28.0454, 15.1904

Details

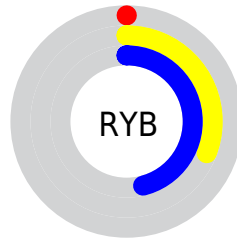
The CIELCh color **43, 49.323, 150.068** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **24, 48.010, 0.027**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 49.463, 150.107**, and **24, 41.241, 140.895** is the 20% darker color. If you saturate the color by 10%, you get **43, 49.315, 150.060**, and if you desaturate by 10%, it is **43, 46.045, 152.004**.

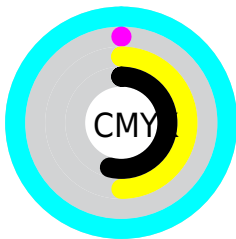
Distribution



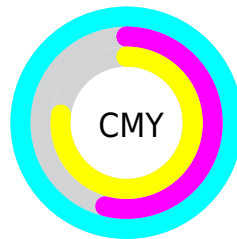
- Red (0%)
- Green (46%)
- Blue (23%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (50%)
- Black (54%)




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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 43, 49.323, 150.068 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, 49.323, 150.068 by changing the saturation by 10% instead.

 43, 49.323,
150.068

 43, 49.323,
150.068

 100, 49.323,
150.068

 33, 49.323,
150.068

 63, 49.323,
150.068

 23, 49.323,
150.068

 73, 49.323,
150.068

 13, 49.323,
150.068

 83, 49.323,
150.068

 3, 49.323, 150.068

 93, 49.323,
150.068

 0, 49.323, 150.068

 43, 49.323,

 43, 49.323,

150.068

■ 43, 49.315,
150.060

150.068

■ 43, 46.045,
152.004

■ 43, 42.438,
153.943

■ 44, 38.308,
155.689

■ 44, 33.687,
157.245

■ 45, 28.638,
158.624

■ 46, 23.245,
159.849

■ 46, 17.600,
160.939

■ 47, 11.791,
161.919

Harmonies

Complementary

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



43, 49.323, 150.068



24, 48.010, 0.027

Rectangle

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



43, 49.323, 150.068



43, 49.323, 200.068



43, 49.323, 330.068



43, 49.323, 20.068

Sweetspot

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



43, 49.315, 150.060



59, 21.830, 160.861



44, 60.846, 126.823



30, 14.765, 160.512



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, 49.315, 150.060



55, 60.460, 149.430



44, 28.618, 193.957



24, 3.315, 162.902



45, 50.879, 149.953



87, 88.686, 148.600

Inverse Universe

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



24, 48.010, 0.027



32, 57.967, 1.168



23, 56.607, 36.945



23, 3.354, 344.230



25, 49.403, 0.218



54, 83.366, 2.739

Previews

White Background



This preview shows how the CIELCh color 43, 49.323, 150.068 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, 49.323, 150.068 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, 49.323, 150.068

Background



This preview shows how black text looks on a background with the CIELCh color 43, 49.323, 150.068.



This preview shows how white text looks on a background with the CIELCh color 43, 49.323, 150.068.

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, 49.386, 150.129

Protanopia

43, 28.680, 95.336

Deuteranopia

43, 23.254, 76.470



Tritanopia
43, 21.099, 212.252

Trichromacy



Original Color
43, 49.386, 150.129

Protanomaly
41, 34.359, 133.193

Deuteranomaly
41, 27.465, 131.340

Tritanomaly
43, 28.400, 177.545

Monochromacy



Original Color
43, 49.386, 150.129

Achromatopsia
32, 0.005, 296.813

Achromatomaly
35, 21.824, 159.840

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 49.323, 150.068 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, 59)` looks like.

```
.text, #text, p{  
    color:rgb(0, 118, 59)  
}
```

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, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 118, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 49.323, 150.068 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, 59) }
```

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

```
.border{ border-color:rgb(0, 118, 59) }
```

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, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 118, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 118, 59);  
box-shadow:4px 4px 4px 4px rgb(0, 118, 59)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 43, 49.323, 150.068 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, 59) }
```

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

```
.background{ background-color: rgb(0, 118,  
59) }
```

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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