

Converting Colors

CIELCh(43, 50.939, 150.076)

Have a look what the booklet for
CIELCh(43, 50.939, 150.076)
contains.

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Color

CIELCh(43, 50.236, 149.290)

Conversions

Conversions Part 1

Format	Color
Hex	007639
RGB	0, 118, 57
RGB Percent	0%, 46%, 22%
CMY	1.0000, 0.5387, 0.7777
CMYK	1.00, 0.00, 0.52, 0.54
HSL	149°, 100%, 23%
HSV	149°, 100%, 46%
XYZ	7.1550, 13.1578, 5.9909
YIQ	75.7640, -50.7470, -43.9870

Conversions

Conversions Part 2

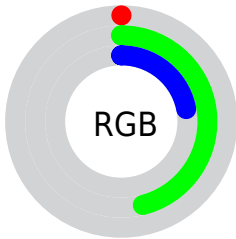
Format	Color
RYB	0, 80, 118
Decimal	30265
CIELab	43.00, -43.19, 25.66
CIELCh	43, 50.236, 149.290
Yxy	13.1578, 0.2720, 0.5002
Android (android.graphics.Color)	4278220345 (0xFF007639)
YUV	75.7640, -9.2507, -66.4450
Hunter-Lab	36.2736, -28.2694, 15.5993

Details

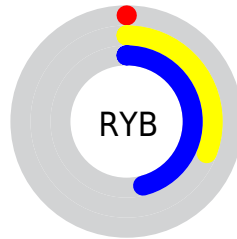
The CIELCh color **43, 50.236, 149.290** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **24, 48.231, 358.542**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 50.296, 149.300**, and **24, 41.962, 140.149** is the 20% darker color. If you saturate the color by 10%, you get **43, 50.181, 149.236**, and if you desaturate by 10%, it is **43, 46.836, 151.172**.

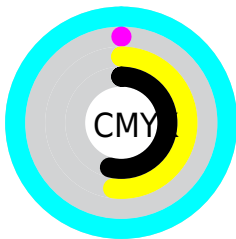
Distribution



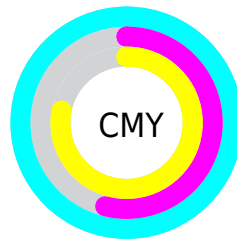
- Red (0%)
- Green (46%)
- Blue (22%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (52%)
- Black (54%)





- Cyan (100%)
- Magenta (54%)
- Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 50.236, 149.290 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, 50.236, 149.290 by changing the saturation by 10% instead.


 43, 50.236,
149.290


 43, 50.236,
149.290


 100, 50.236,
149.290


 33, 50.236,
149.290

 63, 50.236,
149.290


 23, 50.236,
149.290

 73, 50.236,
149.290

 13, 50.236,
149.290

 83, 50.236,
149.290

 3, 50.236, 149.290

 93, 50.236,
149.290

 0, 50.236, 149.290

 43, 50.236,

 43, 50.236,

149.290

149.290

■ 43, 50.181,
149.236

■ 43, 46.836,
151.172

■ 43, 43.145,
153.107

■ 44, 38.924,
154.851

■ 44, 34.209,
156.404

■ 45, 29.066,
157.780

■ 46, 23.579,
158.999

■ 46, 17.844,
160.083

■ 47, 11.949,
161.055

Harmonies

Complementary

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



43, 50.236, 149.290



24, 48.231, 358.542

Rectangle

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



43, 50.236, 149.290



43, 50.236, 199.290



43, 50.236, 329.290



43, 50.236, 19.290

Sweetspot

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



43, 50.181, 149.236



59, 22.118, 160.005



44, 60.563, 126.241



30, 14.962, 159.659



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, 50.181, 149.236



55, 61.488, 148.611



44, 29.020, 191.587



24, 3.355, 162.027



45, 51.739, 149.132



87, 90.207, 147.785

Inverse Universe

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



24, 48.231, 358.542



33, 58.169, 359.627



23, 56.213, 36.291



23, 3.392, 343.337



25, 49.596, 358.720



54, 83.593, 1.128

Previews

White Background



This preview shows how the CIELCh color 43, 50.236, 149.290 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, 50.236, 149.290 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, 50.236, 149.290

Background



This preview shows how black text looks on a background with the CIELCh color 43, 50.236, 149.290.



This preview shows how white text looks on a background with the CIELCh color 43, 50.236, 149.290.

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, 50.236, 149.290

Protanopia

43, 29.761, 95.524

Deuteranopia

43, 24.555, 76.641



Tritanopia
43, 21.099, 212.252

Trichromacy



Original Color
43, 50.236, 149.290

Protanomaly
41, 35.340, 132.337

Deuteranomaly
41, 29.170, 130.602

Tritanomaly
43, 28.716, 176.452

Monochromacy



Original Color
43, 50.236, 149.290

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, 50.236, 149.290 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, 57)` looks like.

```
.text, #text, p{  
    color:rgb(0, 118, 57)  
}
```

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, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 118, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 50.236, 149.290 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, 57) }
```

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

```
.border{ border-color:rgb(0, 118, 57) }
```

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, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 118, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 118, 57);  
box-shadow:4px 4px 4px 4px rgb(0, 118, 57)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 43, 50.236, 149.290 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, 57) }
```

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

```
.background{ background-color: rgb(0, 118,  
57) }
```

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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