

Converting Colors

CIELCh(43, 66.950, 137.017)

Have a look what the booklet for
CIELCh(43, 66.950, 137.017)
contains.

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Color

CIELCh(43, 66.880, 136.812)

Conversions

Conversions Part 1

Format	Color
Hex	007707
RGB	0, 119, 7
RGB Percent	0%, 47%, 3%
CMY	1.0000, 0.5341, 0.9737
CMYK	1.00, 0.00, 0.94, 0.53
HSL	123°, 100%, 23%
HSV	123°, 100%, 47%
XYZ	6.6033, 13.1578, 2.3840
YIQ	70.6510, -34.9720, -60.0600

Conversions

Conversions Part 2

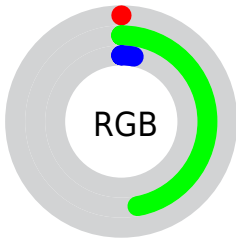
Format	Color
RYB	0, 112, 119
Decimal	30471
CIELab	43.00, -48.76, 45.77
CIELCh	43, 66.880, 136.812
Yxy	13.1578, 0.2982, 0.5942
Android (android.graphics.Color)	4278220551 (0xFF007707)
YUV	70.6510, -31.3799, -61.9609
Hunter-Lab	36.2736, -30.9843, 21.4948

Details

The CIELCh color **43, 66.880, 136.812** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **27, 62.970, 330.517**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 66.674, 136.862**, and **25, 46.502, 136.352** is the 20% darker color. If you saturate the color by 10%, you get **43, 66.850, 136.782**, and if you desaturate by 10%, it is **43, 63.921, 137.495**.

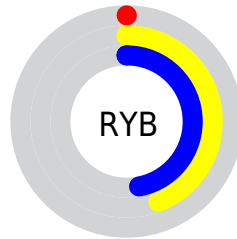
Distribution



Red (0%)

Green (47%)

Blue (3%)



Red (0%)

Yellow (44%)

Blue (47%)

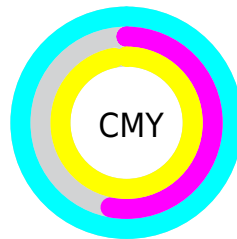


Cyan (100%)

Magenta (0%)

Yellow (94%)

Black (53%)



Cyan (100%)


Magenta (53%)


Yellow (97%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 66.880, 136.812 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, 66.880, 136.812 by changing the saturation by 10% instead.


 43, 66.880,
136.812


 43, 66.880,
136.812


 100, 66.880,
136.812


 33, 66.880,
136.812

 63, 66.880,
136.812


 23, 66.880,
136.812

 73, 66.880,
136.812

 13, 66.880,
136.812


 83, 66.880,
136.812

 3, 66.880, 136.812

 93, 66.880,
136.812

 0, 66.880, 136.812

 43, 66.880,

 43, 66.880,

136.812

136.812

■ 43, 66.850,
136.782

■ 43, 63.921,
137.495

■ 43, 59.741,
138.571

■ 44, 54.289,
139.758

■ 44, 47.821,
140.949

■ 45, 40.593,
142.071

■ 46, 32.834,
143.086

■ 47, 24.746,
143.983

■ 48, 16.494,
144.762

Harmonies

Complementary

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



43, 66.880, 136.812



27, 62.970, 330.517

Rectangle

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



43, 66.880, 136.812



43, 66.880, 186.812



43, 66.880, 316.812



43, 66.880, 6.812

Sweetspot

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



43, 66.850, 136.782



60, 30.850, 143.918



48, 55.203, 105.822



31, 21.187, 143.622



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



43, 66.850, 136.782



56, 81.680, 136.576



44, 47.105, 152.773



24, 4.570, 145.504



44, 68.336, 136.756



86, 117.032, 136.340

Inverse Universe

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



27, 62.970, 330.517



36, 76.475, 330.579



24, 48.030, 4.803



23, 4.578, 326.449



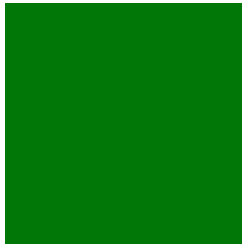
28, 64.322, 330.525



58, 108.793, 330.660

Previews

White Background



This preview shows how the CIELCh color 43, 66.880, 136.812 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, 66.880, 136.812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

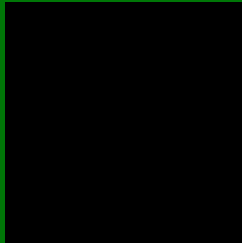
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 43, 66.880, 136.812

Background



This preview shows how black text looks on a background with the CIELCh color 43, 66.880, 136.812.



This preview shows how white text looks on a background with the CIELCh color 43, 66.880, 136.812.

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, 66.880, 136.812

Protanopia

43, 49.837, 95.931

Deuteranopia

43, 42.607, 82.669



Tritanopia
43, 19.838, 213.370

Trichromacy



Original Color
43, 66.880, 136.812



Protanomaly
41, 53.976, 120.498



Deuteranomaly
41, 46.651, 117.129

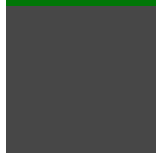


Tritanomaly
42, 35.429, 159.232

Monochromacy



Original Color
43, 66.880, 136.812



Achromatopsia
30, 0.005, 296.813



Achromatomaly
33, 30.818, 142.740

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 66.880, 136.812 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, 119, 7)` looks like.

```
.text, #text, p{  
    color:rgb(0, 119, 7)  
}
```

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, 119, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 119, 7) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 66.880, 136.812 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, 119, 7) }
```

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

```
.border{ border-color:rgb(0, 119, 7) }
```

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

Here you see how a box with a 4 pixel rgb(0, 119, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 119, 7); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 119, 7); box-shadow:4px  
4px 4px 4px rgb(0, 119, 7) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 66.880, 136.812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 119, 7) }
```

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

```
.background{ background-color: rgb(0, 119,  
7) }
```

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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