

Converting Colors

CIELCh(44, 68.770, 136.447)

Have a look what the booklet for
CIELCh(44, 68.770, 136.447)
contains.

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Color

CIELCh(44, 68.863, 136.342)

Conversions

Conversions Part 1

Format	Color
Hex	007A03
RGB	0, 122, 3
RGB Percent	0%, 48%, 1%
CMY	1.0000, 0.5228, 0.9901
CMYK	1.00, 0.00, 0.98, 0.52
HSL	121°, 100%, 24%
HSV	121°, 100%, 48%
XYZ	6.9218, 13.8382, 2.3785
YIQ	71.9560, -34.5130, -62.8730

Conversions

Conversions Part 2

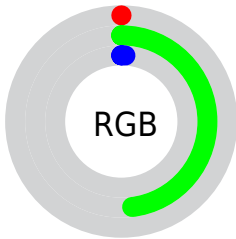
Format	Color
RYB	0, 119, 122
Decimal	31235
CIELab	44.00, -49.82, 47.54
CIELCh	44, 68.863, 136.342
Yxy	13.8382, 0.2991, 0.5981
Android (android.graphics.Color)	4278221315 (0xFF007A03)
YUV	71.9560, -33.9953, -63.1054
Hunter-Lab	37.1997, -31.8857, 22.2489

Details

The CIELCh color **44, 68.863, 136.342** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **28, 65.805, 329.043**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 68.986, 136.492**, and **25, 47.485, 136.239** is the 20% darker color. If you saturate the color by 10%, you get **44, 68.814, 136.293**, and if you desaturate by 10%, it is **44, 65.987, 136.920**.

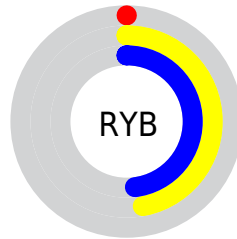
Distribution



Red (0%)

Green (48%)

Blue (1%)



Red (0%)

Yellow (47%)

Blue (48%)

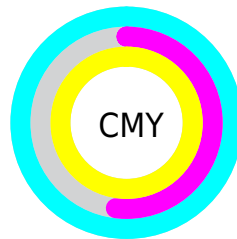


Cyan (100%)

Magenta (0%)

Yellow (98%)

Black (52%)



Cyan (100%)

Magenta (52%)

Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 68.863, 136.342 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 44, 68.863, 136.342 by changing the saturation by 10% instead.


 44, 68.863,
136.342

 44, 68.863,
136.342


 100, 68.863,
136.342

 34, 68.863,
136.342

 64, 68.863,
136.342


 24, 68.863,
136.342

 74, 68.863,
136.342

 14, 68.863,
136.342


 84, 68.863,
136.342

 4, 68.863, 136.342

 94, 68.863,
136.342

 0, 68.863, 136.342

 44, 68.863,

 44, 68.863,

136.342

136.342

■ 44, 68.814,
136.293

■ 44, 65.987,
136.920

■ 44, 61.960,
137.823

■ 45, 56.486,
138.900

■ 45, 49.858,
140.029

■ 46, 42.373,
141.118

■ 47, 34.298,
142.118

■ 48, 25.859,
143.005

■ 49, 17.239,
143.779

Harmonies

Complementary

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



44, 68.863, 136.342



28, 65.805, 329.043

Rectangle

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



44, 68.863, 136.342



44, 68.863, 186.342



44, 68.863, 316.342



44, 68.863, 6.342

Sweetspot

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



44, 68.814, 136.293



61, 32.034, 142.944



49, 56.068, 103.849



31, 21.708, 142.655



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



44, 68.814, 136.293



57, 83.381, 136.219



45, 49.704, 150.904



25, 4.853, 144.511



45, 70.155, 136.284



87, 118.539, 136.130

Inverse Universe

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



28, 65.805, 329.043



37, 79.562, 329.063



25, 49.030, 1.851



24, 4.862, 325.453



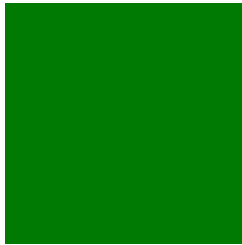
29, 67.070, 329.045



59, 112.807, 329.090

Previews

White Background



This preview shows how the CIELCh color 44, 68.863, 136.342 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 44, 68.863, 136.342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

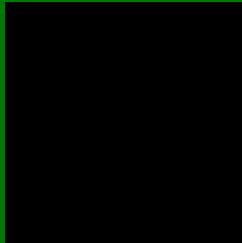
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 68.863, 136.342

Background



This preview shows how black text looks on a background with the CIELCh color 44, 68.863, 136.342.



This preview shows how white text looks on a background with the CIELCh color 44, 68.863, 136.342.

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

44, 68.863, 136.342

Protanopia

44, 50.578, 95.485

Deuteranopia

44, 43.990, 82.711



Tritanopia
44, 20.330, 212.879

Trichromacy



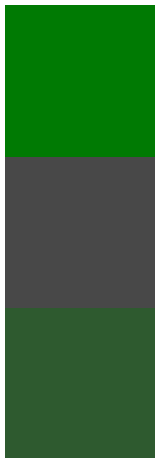
Original Color
44, 68.863, 136.342

Protanomaly
42, 54.992, 120.568

Deuteranomaly
42, 48.525, 116.994

Tritanomaly
43, 36.755, 158.594

Monochromacy



Original Color
44, 68.863, 136.342

Achromatopsia
31, 0.005, 296.813

Achromatomaly
34, 32.409, 141.463

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 68.863, 136.342 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, 3)` looks like.

```
.text, #text, p{  
    color:rgb(0, 122, 3)  
}
```

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, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 122, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 68.863, 136.342 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, 3) }
```

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

```
.border{ border-color:rgb(0, 122, 3) }
```

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, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 122, 3); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 122, 3); box-shadow:4px  
4px 4px 4px rgb(0, 122, 3) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 68.863, 136.342 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, 3) }
```

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

```
.background{ background-color: rgb(0, 122,  
3) }
```

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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