

Converting Colors

CIELCh(43, 66.721, 136.371)

Have a look what the booklet for
CIELCh(43, 66.721, 136.371)
contains.

CIELCh(43, 66.785, 136.404)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(43, 66.785, 136.404)

Conversions

Conversions Part 1

Format	Color
Hex	047706
RGB	4, 119, 6
RGB Percent	2%, 47%, 2%
CMY	0.9838, 0.5346, 0.9783
CMYK	0.97, 0.00, 0.95, 0.53
HSL	121°, 93%, 24%
HSV	121°, 97%, 47%
XYZ	6.6416, 13.1578, 2.3484
YIQ	71.7330, -32.2670, -59.5230

Conversions

Conversions Part 2

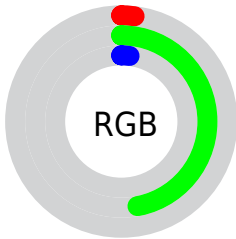
Format	Color
R_{YB}	4, 117, 119
Decimal	292614
CIE _{Lab}	43.00, -48.37, 46.05
CIE _{LCh}	43, 66.785, 136.404
Yxy	13.1578, 0.2999, 0.5941
Android (android.graphics.Color)	4278482694 (0xFF047706)
YUV	71.7330, -32.4064, -59.4018
Hunter-Lab	36.2736, -30.7961, 21.5531

Details

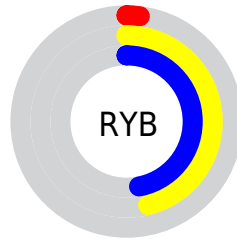
The CIELCh color **43, 66.785, 136.404** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **28, 64.253, 328.647**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 66.724, 136.266**, and **25, 46.502, 136.352** is the 20% darker color. If you saturate the color by 10%, you get **43, 67.781, 136.183**, and if you desaturate by 10%, it is **43, 63.751, 137.088**.

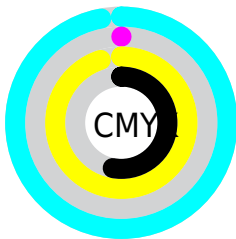
Distribution



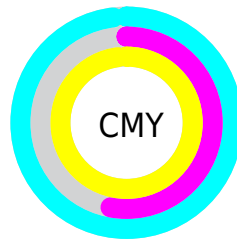
- Red (2%)
- Green (47%)
- Blue (2%)



- Red (2%)
- Yellow (46%)
- Blue (47%)



- Cyan (97%)
- Magenta (0%)
- Yellow (95%)
- Black (53%)




- Cyan (98%)
- Magenta (53%)
- Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 66.785, 136.404 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, 66.785, 136.404 by changing the saturation by 10% instead.


 43, 66.785,
136.404


 43, 66.785,
136.404


 100, 66.785,
136.404


 33, 66.785,
136.404

 63, 66.785,
136.404


 23, 66.785,
136.404

 73, 66.785,
136.404

 13, 66.785,
136.404


 83, 66.785,
136.404

 3, 66.785, 136.404

 93, 66.785,
136.404

 0, 66.785, 136.404

 43, 66.785,

 43, 66.785,

136.404

136.404

■ 43, 67.781,
136.183

■ 43, 63.751,
137.088

■ 43, 59.293,
138.030

■ 44, 53.488,
139.112

■ 44, 46.639,
140.218

■ 45, 39.036,
141.269

■ 46, 30.931,
142.223

■ 47, 22.533,
143.065

■ 48, 14.010,
143.797

Harmonies

Complementary

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



43, 66.785, 136.404



28, 64.253, 328.647

Rectangle

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



43, 66.785, 136.404



43, 66.785, 186.404



43, 66.785, 316.404



43, 66.785, 6.404

Sweetspot

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



43, 66.785, 136.405



60, 30.745, 142.805



48, 54.202, 102.959



31, 21.237, 142.511



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, 66.785, 136.405



56, 82.555, 136.138



43, 48.467, 150.762



24, 4.711, 144.284



44, 69.303, 136.177



86, 117.764, 136.084

Inverse Universe

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



28, 64.253, 328.647



37, 79.144, 328.714



25, 47.688, 359.128



23, 4.718, 325.215



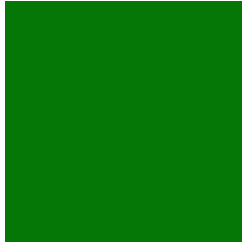
28, 66.517, 328.703



59, 112.714, 328.730

Previews

White Background



This preview shows how the CIELCh color 43, 66.785, 136.404 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 43, 66.785, 136.404 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

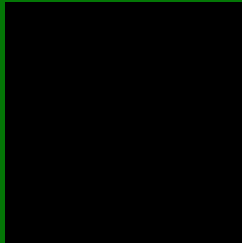
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 66.785, 136.404

Background



This preview shows how black text looks on a background with the CIELCh color 43, 66.785, 136.404.



This preview shows how white text looks on a background with the CIELCh color 43, 66.785, 136.404.

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, 66.840, 136.463

Protanopia

43, 49.837, 95.931

Deuteranopia

43, 42.607, 82.669



Tritanopia
43, 19.838, 213.370

Trichromacy



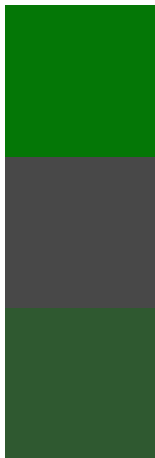
Original Color
43, 66.840, 136.463

Protanomaly
42, 53.829, 120.072

Deuteranomaly
41, 46.531, 116.587

Tritanomaly
42, 35.272, 159.068

Monochromacy



Original Color
43, 66.840, 136.463

Achromatopsia
31, 0.005, 296.813

Achromatomaly
34, 31.040, 141.664

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 66.785, 136.404 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(4, 119, 6)` looks like.

```
.text, #text, p{  
    color:rgb(4, 119, 6)  
}
```

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(4, 119, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 119, 6) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 66.785, 136.404 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(4, 119, 6) }
```

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

```
.border{ border-color:rgb(4, 119, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 119, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 119, 6); -webkit-box-shadow:4px  
4px 4px 4px rgb(4, 119, 6); box-shadow:4px  
4px 4px 4px rgb(4, 119, 6) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 66.785, 136.404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 119, 6) }
```

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

```
.background{ background-color: rgb(4, 119,  
6) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor