

Converting Colors

CIELCh(43, 68.237, 135.701)

Have a look what the booklet for
CIELCh(43, 68.237, 135.701)
contains.

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Color

CIELCh(43, 68.020, 135.840)

Conversions

Conversions Part 1

Format	Color
Hex	027700
RGB	2, 119, 0
RGB Percent	1%, 47%, 0%
CMY	0.9905, 0.5342, 1.0000
CMYK	0.98, 0.00, 1.00, 0.53
HSL	119°, 100%, 23%
HSV	119°, 100%, 47%
XYZ	6.6000, 13.1578, 2.1835
YIQ	70.4510, -31.5330, -61.8130

Conversions

Conversions Part 2

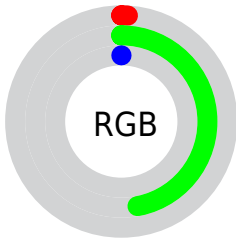
Format	Color
RYB	0, 119, 117
Decimal	161536
CIELab	43.00, -48.80, 47.39
CIELCh	43, 68.020, 135.840
Yxy	13.1578, 0.3008, 0.5997
Android (android.graphics.Color)	4278351616 (0xFF027700)
YUV	70.4510, -34.7323, -60.0315
Hunter-Lab	36.2736, -31.0005, 21.8225

Details

The CIELCh color **43, 68.020, 135.840** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **27, 65.760, 327.461**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 68.007, 135.850**, and **25, 46.502, 136.352** is the 20% darker color. If you saturate the color by 10%, you get **43, 67.965, 135.874**, and if you desaturate by 10%, it is **43, 65.105, 136.501**.

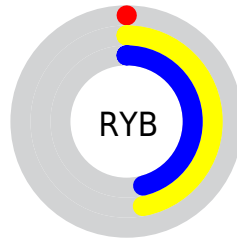
Distribution



Red (1%)

Green (47%)

Blue (0%)



Red (0%)

Yellow (47%)

Blue (46%)

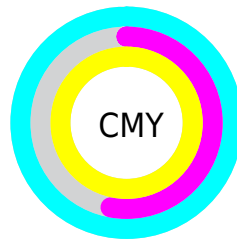


Cyan (98%)

Magenta (0%)

Yellow (100%)

Black (53%)



Cyan (99%)

Magenta (53%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 68.020, 135.840 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, 68.020, 135.840 by changing the saturation by 10% instead.

 43, 68.020,
135.840


 43, 68.020,
135.840


 100, 68.020,
135.840

 33, 68.020,
135.840

 63, 68.020,
135.840


 23, 68.020,
135.840

 73, 68.020,
135.840

 13, 68.020,
135.840

 83, 68.020,
135.840

 3, 68.020, 135.840

 93, 68.020,
135.840

 0, 68.020, 135.840

 43, 68.020,

 43, 68.020,

135.840

135.840

■ 43, 67.965,
135.874

■ 43, 65.105,
136.501

■ 43, 61.202,
137.223

■ 44, 55.824,
138.159

■ 44, 49.277,
139.183

■ 45, 41.873,
140.196

■ 46, 33.887,
141.139

■ 47, 25.545,
141.985

■ 48, 17.028,
142.728

Harmonies

Complementary

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



43, 68.020, 135.840



27, 65.760, 327.461

Rectangle

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



43, 68.020, 135.840



43, 68.020, 185.840



43, 68.020, 315.840



43, 68.020, 5.840

Sweetspot

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



43, 67.965, 135.874



60, 31.849, 141.924



47, 53.809, 100.794



31, 21.871, 141.644



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, 67.965, 135.874



56, 82.682, 135.912



43, 51.316, 148.490



24, 4.718, 143.435



44, 69.444, 135.878



86, 117.865, 135.958

Inverse Universe

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



27, 65.760, 327.461



36, 79.959, 327.441



25, 48.769, 357.251



23, 4.727, 324.338



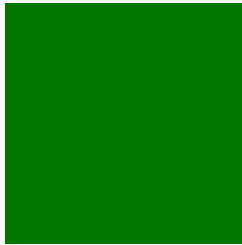
28, 67.187, 327.459



58, 113.914, 327.416

Previews

White Background



This preview shows how the CIELCh color 43, 68.020, 135.840 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, 68.020, 135.840 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, 68.020, 135.840

Background



This preview shows how black text looks on a background with the CIELCh color 43, 68.020, 135.840.



This preview shows how white text looks on a background with the CIELCh color 43, 68.020, 135.840.

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, 68.075, 135.898

Protanopia
43, 49.837, 95.931

Deuteranopia
43, 42.821, 82.061



Tritanopia
43, 19.838, 213.370

Trichromacy



Original Color
43, 68.075, 135.898

Protanomaly
41, 54.447, 120.292

Deuteranomaly
41, 47.161, 116.337

Tritanomaly
42, 36.117, 157.670

Monochromacy



Original Color
43, 68.075, 135.898

Achromatopsia
30, 0.005, 296.813

Achromatomaly
33, 32.277, 140.898

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 68.020, 135.840 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(2, 119, 0)` looks like.

```
.text, #text, p{  
    color:rgb(2, 119, 0)  
}
```

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(2, 119, 0) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 43, 68.020, 135.840 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(2, 119, 0) }
```

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

```
.border{ border-color:rgb(2, 119, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 119, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 119, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 119, 0); box-shadow:4px  
4px 4px 4px rgb(2, 119, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 68.020, 135.840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 119, 0) }
```

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

```
.background{ background-color: rgb(2, 119,  
0) }
```

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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