

Converting Colors

CIELCh(46, 70.920, 136.228)

Have a look what the booklet for
CIELCh(46, 70.920, 136.228)
contains.

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Color

CIELCh(46, 70.826, 136.213)

Conversions

Conversions Part 1

Format	Color
Hex	037F03
RGB	3, 127, 3
RGB Percent	1%, 50%, 1%
CMY	0.9893, 0.5010, 0.9867
CMYK	0.98, 0.00, 0.97, 0.50
HSL	120°, 96%, 25%
HSV	120°, 98%, 50%
XYZ	7.6746, 15.2687, 2.6400
YIQ	75.7880, -34.1000, -64.8520

Conversions

Conversions Part 2

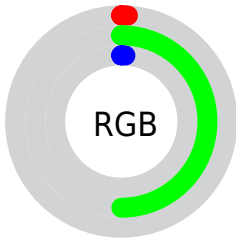
Format	Color
R_{YB}	3, 127, 127
Decimal	229123
CIE _{Lab}	46.00, -51.13, 49.01
CIE _{LCh}	46, 70.826, 136.213
Yxy	15.2687, 0.3000, 0.5968
Android (android.graphics.Color)	4278419203 (0xFF037F03)
YUV	75.7880, -35.8845, -63.8351
Hunter-Lab	39.0751, -33.3228, 23.3469

Details

The CIELCh color **46, 70.826, 136.213** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **30, 68.264, 328.409**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 70.733, 136.191**, and **27, 49.854, 136.062** is the 20% darker color. If you saturate the color by 10%, you get **46, 71.432, 136.083**, and if you desaturate by 10%, it is **46, 67.918, 136.831**.

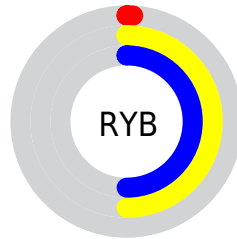
Distribution



Red (1%)

Green (50%)

Blue (1%)



Red (1%)

Yellow (50%)

Blue (50%)

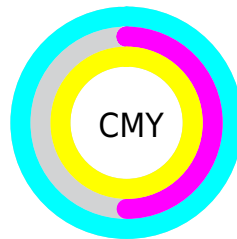


Cyan (98%)

Magenta (0%)

Yellow (97%)

Black (50%)



Cyan (99%)


Magenta (50%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 70.826, 136.213 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 46, 70.826, 136.213 by changing the saturation by 10% instead.


 46, 70.826,
136.213


 46, 70.826,
136.213


 100, 70.826,
136.213


 36, 70.826,
136.213

 66, 70.826,
136.213


 26, 70.826,
136.213

 76, 70.826,
136.213

 16, 70.826,
136.213

 86, 70.826,
136.213

 6, 70.826, 136.213

 96, 70.826,
136.213

 0, 70.826, 136.213

 46, 70.826,

 46, 70.826,

136.213

136.213

■ 46, 71.432,
136.083

■ 46, 67.918,
136.831

■ 46, 63.549,
137.704

■ 47, 57.659,
138.755

■ 47, 50.572,
139.859

■ 48, 42.614,
140.924

■ 49, 34.069,
141.899

■ 50, 25.174,
142.763

■ 51, 16.118,
143.515

Harmonies

Complementary

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



46, 70.826, 136.213



30, 68.264, 328.409

Rectangle

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



46, 70.826, 136.213



46, 70.826, 186.213



46, 70.826, 316.213



46, 70.826, 6.213

Sweetspot

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



46, 70.826, 136.214



64, 32.529, 142.613



52, 57.370, 102.913



33, 22.467, 142.305



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



46, 70.826, 136.214



59, 86.658, 136.065



47, 51.612, 150.341



26, 5.075, 144.093



46, 71.532, 136.083



0, 0.000, 0.000

Inverse Universe

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



30, 68.264, 328.409



39, 83.369, 328.441



27, 50.386, 359.841



25, 5.084, 325.038



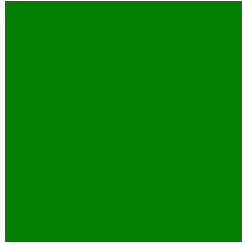
30, 68.854, 328.436



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 46, 70.826, 136.213 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 46, 70.826, 136.213 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 46, 70.826, 136.213

Background



This preview shows how black text looks on a background with the CIELCh color 46, 70.826, 136.213.



This preview shows how white text looks on a background with the CIELCh color 46, 70.826, 136.213.

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

46, 70.776, 136.162

Protanopia

46, 52.318, 95.243

Deuteranopia

46, 45.190, 82.149



Tritanopia
46, 21.111, 213.870

Trichromacy



Original Color
46, 70.776, 136.162



Protanomaly
44, 57.028, 120.264



Deuteranomaly
44, 49.792, 116.581



Tritanomaly
45, 37.518, 158.687

Monochromacy



Original Color
46, 70.776, 136.162



Achromatopsia
32, 0.005, 296.813



Achromatomaly
36, 33.592, 141.449

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 70.826, 136.213 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(3, 127, 3)` looks like.

```
.text, #text, p{  
    color:rgb(3, 127, 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(3, 127, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 127, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 70.826, 136.213 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(3, 127, 3) }
```

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

```
.border{ border-color:rgb(3, 127, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 127, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 127, 3); -webkit-box-shadow:4px  
4px 4px 4px rgb(3, 127, 3); box-shadow:4px  
4px 4px 4px rgb(3, 127, 3) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 70.826, 136.213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 127, 3) }
```

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

```
.background{ background-color: rgb(3, 127,  
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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