

Converting Colors

CIELCh(46, 71.395, 135.758)

Have a look what the booklet for
CIELCh(46, 71.395, 135.758)
contains.

CIELCh(46, 71.246, 135.812)	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(46, 71.246, 135.812)

Conversions

Conversions Part 1

Format	Color
Hex	057F00
RGB	5, 127, 0
RGB Percent	2%, 50%, 0%
CMY	0.9817, 0.5011, 0.9986
CMYK	0.96, 0.00, 1.00, 0.50
HSL	118°, 99%, 25%
HSV	118°, 100%, 50%
XYZ	7.6792, 15.2687, 2.5521
YIQ	76.0440, -31.9450, -65.3610

Conversions

Conversions Part 2

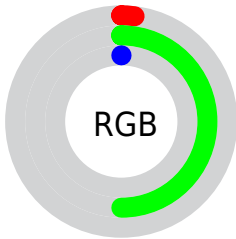
Format	Color
RYB	0, 127, 122
Decimal	360192
CIELab	46.00, -51.09, 49.66
CIELCh	46, 71.246, 135.812
Yxy	15.2687, 0.3011, 0.5988
Android (android.graphics.Color)	4278550272 (0xFF057F00)
YUV	76.0440, -37.4897, -62.3056
Hunter-Lab	39.0751, -33.3018, 23.4802

Details

The CIELCh color **46, 71.246, 135.812** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **29, 69.067, 326.931**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 71.299, 135.635**, and **27, 49.854, 136.062** is the 20% darker color. If you saturate the color by 10%, you get **46, 71.323, 135.795**, and if you desaturate by 10%, it is **46, 68.405, 136.369**.

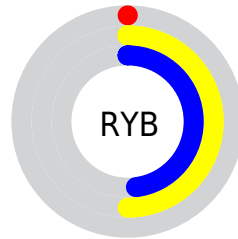
Distribution



Red (2%)

Green (50%)

Blue (0%)



Red (0%)

Yellow (50%)

Blue (48%)

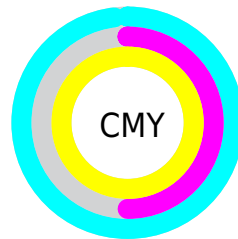


Cyan (96%)

Magenta (0%)

Yellow (100%)

Black (50%)



Cyan (98%)


Magenta (50%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 71.246, 135.812 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 46, 71.246, 135.812 by changing the saturation by 10% instead.


 46, 71.246,
135.812


 46, 71.246,
135.812


 100, 71.246,
135.812


 36, 71.246,
135.812

 66, 71.246,
135.812


 26, 71.246,
135.812

 76, 71.246,
135.812

 16, 71.246,
135.812

 86, 71.246,
135.812

 6, 71.246, 135.812

 96, 71.246,
135.812

 0, 71.246, 135.812

 46, 71.246,

 46, 71.246,

135.812

135.812

■ 46, 71.323,
135.795

■ 46, 68.405,
136.369

■ 46, 64.291,
137.035

■ 47, 58.612,
137.927

■ 47, 51.696,
138.916

■ 48, 43.880,
139.904

■ 49, 35.456,
140.828

■ 50, 26.662,
141.659

■ 51, 17.689,
142.389

Harmonies

Complementary

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



46, 71.246, 135.812



29, 69.067, 326.931

Rectangle

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



46, 71.246, 135.812



46, 71.246, 185.812



46, 71.246, 315.812



46, 71.246, 5.812

Sweetspot

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



46, 71.246, 135.813



64, 33.394, 141.582



50, 55.802, 99.706



33, 22.932, 141.295



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, 71.246, 135.813



59, 86.569, 135.855



46, 54.885, 147.597



26, 5.037, 143.065



46, 71.432, 135.796



0, 0.000, 0.000

Inverse Universe

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



29, 69.067, 326.931



38, 83.846, 326.901



27, 51.411, 355.999



25, 5.048, 323.967



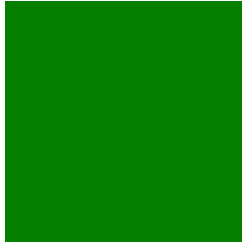
29, 69.239, 326.932



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 46, 71.246, 135.812 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 CIE LCh color 46, 71.246, 135.812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

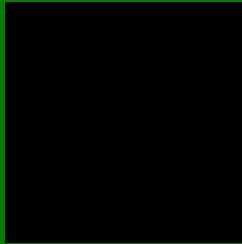
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 71.246, 135.812

Background



This preview shows how black text looks on a background with the CIELCh color 46, 71.246, 135.812.



This preview shows how white text looks on a background with the CIELCh color 46, 71.246, 135.812.

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

46, 71.196, 135.761

Protanopia

46, 52.318, 95.243

Deuteranopia

46, 45.190, 82.149



Tritanopia
46, 20.901, 214.060

Trichromacy



Original Color
46, 71.196, 135.761



Protanomaly
45, 57.097, 119.776



Deuteranomaly
44, 49.973, 115.968



Tritanomaly
45, 37.781, 157.877

Monochromacy



Original Color
46, 71.196, 135.761



Achromatopsia
32, 0.005, 296.813



Achromatomaly
36, 34.337, 139.902

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 71.246, 135.812 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(5, 127, 0)` looks like.

```
.text, #text, p{  
    color:rgb(5, 127, 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(5, 127, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 127, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 71.246, 135.812 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(5, 127, 0) }
```

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

```
.border{ border-color:rgb(5, 127, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 127, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 127, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(5, 127, 0); box-shadow:4px  
4px 4px 4px rgb(5, 127, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 71.246, 135.812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 127, 0) }
```

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

```
.background{ background-color: rgb(5, 127,  
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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