

Converting Colors

CIELCh(46, 70.228, 134.524)

Have a look what the booklet for
CIELCh(46, 70.228, 134.524)
contains.

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Color

CIELCh(46, 70.159, 134.665)

Conversions

Conversions Part 1

Format	Color
Hex	157F00
RGB	21, 127, 0
RGB Percent	8%, 50%, 0%
CMY	0.9159, 0.5031, 1.0000
CMYK	0.83, 0.00, 1.00, 0.50
HSL	110°, 100%, 25%
HSV	110°, 100%, 50%
XYZ	7.8693, 15.2687, 2.5202
YIQ	80.8280, -22.4090, -61.9690

Conversions

Conversions Part 2

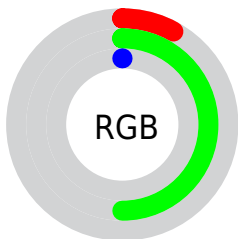
Format	Color
RYB	0, 127, 106
Decimal	1408768
CIELab	46.00, -49.32, 49.90
CIELCh	46, 70.159, 134.665
Yxy	15.2687, 0.3067, 0.5951
Android (android.graphics.Color)	4279598848 (0xFF157F00)
YUV	80.8280, -39.8482, -52.4692
Hunter-Lab	39.0751, -32.4338, 23.5286

Details

The CIELCh color **46, 70.159, 134.665** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **25, 69.789, 321.987**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 70.488, 134.697**, and **27, 49.854, 136.062** is the 20% darker color. If you saturate the color by 10%, you get **46, 70.085, 134.707**, and if you desaturate by 10%, it is **46, 66.889, 134.812**.

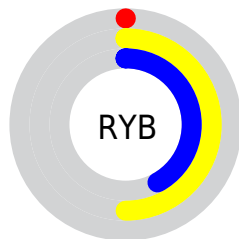
Distribution



Red (8%)

Green (50%)

Blue (0%)



Red (0%)

Yellow (50%)

Blue (42%)

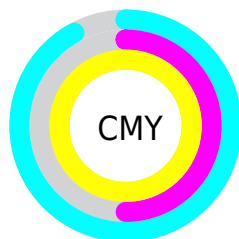


Cyan (83%)

Magenta (0%)

Yellow (100%)

Black (50%)



Cyan (92%)

Magenta (50%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 70.159, 134.665 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, 70.159, 134.665 by changing the saturation by 10% instead.


 46, 70.159,
134.665


 46, 70.159,
134.665


 100, 70.159,
134.665


 36, 70.159,
134.665

 66, 70.159,
134.665

 26, 70.159,
134.665

 76, 70.159,
134.665

 16, 70.159,
134.665

 86, 70.159,
134.665

 6, 70.159, 134.665

 96, 70.159,
134.665

 0, 70.159, 134.665

 46, 70.159,

 46, 70.159,

134.665

134.665

■ 46, 70.085,
134.707

■ 46, 66.889,
134.812

■ 47, 62.533,
135.002

■ 47, 56.752,
135.473

■ 48, 49.882,
136.108

■ 48, 42.247,
136.806

■ 49, 34.112,
137.501

■ 50, 25.683,
138.155

■ 51, 17.115,
138.748

Harmonies

Complementary

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



46, 70.159, 134.665



25, 69.789, 321.987

Rectangle

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



46, 70.159, 134.665



46, 70.159, 184.665



46, 70.159, 314.665



46, 70.159, 4.665

Sweetspot

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



46, 70.085, 134.707



64, 31.985, 138.109



45, 51.433, 89.793



33, 21.972, 137.882



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, 70.085, 134.707



59, 85.484, 134.920



46, 61.409, 142.370



26, 4.825, 139.327



46, 70.402, 134.713



0, 0.000, 0.000

Inverse Universe

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



25, 69.789, 321.987



34, 84.928, 321.844



27, 54.739, 345.386



25, 4.848, 320.095



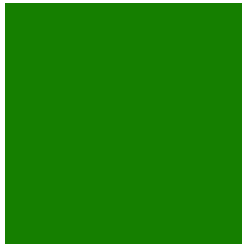
26, 70.100, 321.983



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 46, 70.159, 134.665 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, 70.159, 134.665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

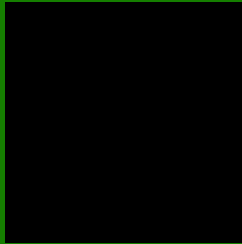
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 70.159, 134.665

Background



This preview shows how black text looks on a background with the CIELCh color 46, 70.159, 134.665.



This preview shows how white text looks on a background with the CIELCh color 46, 70.159, 134.665.

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, 70.240, 134.754

Protanopia

46, 52.247, 95.782

Deuteranopia

46, 45.362, 82.834



Tritanopia
46, 20.425, 212.723

Trichromacy



Original Color
46, 70.240, 134.754

Protanomaly
45, 55.966, 117.382

Deuteranomaly
44, 49.749, 113.299

Tritanomaly
45, 37.025, 155.974

Monochromacy



Original Color
46, 70.240, 134.754

Achromatopsia
34, 0.005, 296.813

Achromatomaly
38, 32.429, 137.547

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 70.159, 134.665 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(21, 127, 0)` looks like.

```
.text, #text, p{  
    color:rgb(21, 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(21, 127, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 127, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 70.159, 134.665 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(21, 127, 0) }
```

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

```
.border{ border-color:rgb(21, 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(21, 127, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 127, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 127, 0);  
box-shadow:4px 4px 4px 4px rgb(21, 127, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 46, 70.159, 134.665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 127, 0) }
```

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

```
.background{ background-color: rgb(21, 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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