

Converting Colors

CIELCh(46, 35.073, 139.650)

Have a look what the booklet for
CIELCh(46, 35.073, 139.650)
contains.

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Color

CIELCh(46, 34.898, 139.621)

Conversions

Conversions Part 1

Format	Color
Hex	4A7846
RGB	74, 120, 70
RGB Percent	29%, 47%, 27%
CMY	0.7106, 0.5302, 0.7263
CMYK	0.38, 0.00, 0.42, 0.53
HSL	115°, 26%, 37%
HSV	115°, 42%, 47%
XYZ	10.5980, 15.2687, 8.1502
YIQ	100.5460, -11.3660, -25.3020

Conversions

Conversions Part 2

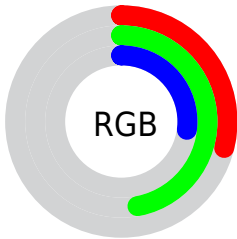
Format	Color
RYB	70, 120, 116
Decimal	4880454
CIELab	46.00, -26.58, 22.61
CIElCh	46, 34.898, 139.621
Yxy	15.2687, 0.3116, 0.4489
Android (android.graphics.Color)	4283070534 (0xFF4A7846)
YUV	100.5460, -15.0592, -23.2808
Hunter-Lab	39.0751, -19.9686, 14.9860

Details

The CIELCh color **46, 34.898, 139.621** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **37, 35.057, 324.206**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 35.092, 139.563**, and **26, 34.904, 139.489** is the 20% darker color. If you saturate the color by 10%, you get **45, 42.767, 138.777**, and if you desaturate by 10%, it is **47, 26.677, 140.396**.

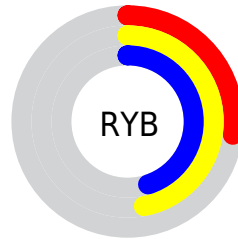
Distribution



Red (29%)

Green (47%)

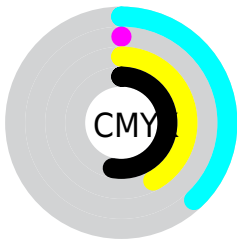
Blue (27%)



Red (27%)

Yellow (47%)

Blue (45%)

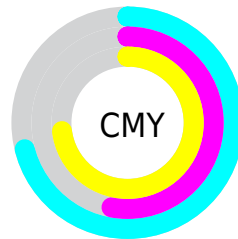


Cyan (38%)

Magenta (0%)

Yellow (42%)

Black (53%)



Cyan (71%)


Magenta (53%)


Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 34.898, 139.621 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, 34.898, 139.621 by changing the saturation by 10% instead.


 46, 34.898,
139.621


 46, 34.898,
139.621


 100, 34.898,
139.621


 36, 34.898,
139.621

 66, 34.898,
139.621


 26, 34.898,
139.621

 76, 34.898,
139.621

 16, 34.898,
139.621

 86, 34.898,
139.621

 6, 34.898, 139.621

 96, 34.898,
139.621

 0, 34.898, 139.621

 46, 34.898,

 46, 34.898,

139.621

139.621

■ 45, 42.767,
138.777

■ 47, 26.677,
140.396

■ 45, 50.060,
137.898

■ 48, 18.276,
141.086

■ 44, 56.502,
137.054

■ 49, 9.828, 141.695

■ 44, 61.775,
136.346

■ 50, 1.433, 142.311

■ 51, 6.837, 322.618

■ 44, 65.571,
135.894

■ 53, 14.934,
323.011

■ 43, 67.991,
135.462

■ 54, 22.825,
323.340

■ 56, 30.493,
323.619

■ 58, 37.929,

323.856

Harmonies

Complementary

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



46, 34.898, 139.621



37, 35.057, 324.206

Rectangle

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



46, 34.898, 139.621



46, 34.898, 189.621



46, 34.898, 319.621



46, 34.898, 9.621

Sweetspot

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



46, 34.899, 139.621



62, 13.504, 141.603



48, 26.506, 102.425



32, 9.531, 141.493



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



46, 34.899, 139.621



58, 51.235, 138.820



46, 26.272, 155.675



24, 4.628, 141.848



44, 69.063, 135.476



86, 117.536, 135.755

Inverse Universe

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



37, 35.057, 324.206



45, 51.396, 324.582



36, 27.029, 342.951



23, 4.642, 322.684



26, 67.443, 325.229



56, 114.383, 325.066

Previews

White Background



This preview shows how the CIELCh color 46, 34.898, 139.621 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, 34.898, 139.621 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, 34.898, 139.621

Background



This preview shows how black text looks on a background with the CIELCh color 46, 34.898, 139.621.



This preview shows how white text looks on a background with the CIELCh color 46, 34.898, 139.621.

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, 34.898, 139.621

Protanopia

46, 26.097, 96.223

Deuteranopia

46, 21.680, 73.815



Tritanopia
46, 11.978, 225.033

Trichromacy



Original Color
46, 34.898, 139.621

Protanomaly
46, 27.038, 116.110

Deuteranomaly
46, 22.219, 107.026

Tritanomaly
46, 15.823, 170.782

Monochromacy



Original Color
46, 34.898, 139.621

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 12.979, 142.047

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 34.898, 139.621 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(74, 120, 70)` looks like.

```
.text, #text, p{  
    color:rgb(74, 120, 70)  
}
```

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(74, 120, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 120, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 34.898, 139.621 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(74, 120, 70) }
```

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

```
.border{ border-color:rgb(74, 120, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 120, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 120, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 120, 70);  
box-shadow:4px 4px 4px 4px rgb(74, 120,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 34.898, 139.621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 120, 70) }
```

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

```
.background{ background-color: rgb(74, 120,  
70) }
```

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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