

Converting Colors

CIELCh(46, 12.765, 346.227)

Have a look what the booklet for
CIELCh(46, 12.765, 346.227)
contains.

CIELCh(46, 12.491, 346.411)	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, 12.491, 346.411)

Conversions

Conversions Part 1

Format	Color
Hex	7F6672
RGB	127, 102, 114
RGB Percent	50%, 40%, 45%
CMY	0.5014, 0.5995, 0.5524
CMYK	0.00, 0.20, 0.10, 0.50
HSL	331°, 11%, 45%
HSV	331°, 20%, 50%
XYZ	16.5816, 15.2687, 18.0322
YIQ	110.8430, 11.0480, 9.0320

Conversions

Conversions Part 2

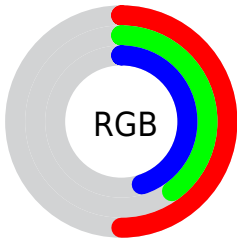
Format	Color
R_{YB}	127, 102, 114
Decimal	8349298
CIE Lab	46.00, 12.14, -2.93
CIE LCh	46, 12.491, 346.411
Yxy	15.2687, 0.3324, 0.3061
Android (android.graphics.Color)	4286539378 (0xFF7F6672)
YUV	110.8430, 1.5564, 14.1697
Hunter-Lab	39.0751, 7.3654, -0.0083

Details

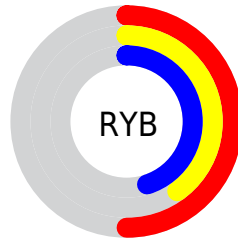
The CIELCh color $46, 12.491, 346.411$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $51, 12.168, 163.091$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 12.613, 345.927$, and $26, 12.580, 347.323$ is the 20% darker color. If you saturate the color by 10%, you get $42, 18.976, 347.431$, and if you desaturate by 10%, it is $50, 6.072, 345.487$.

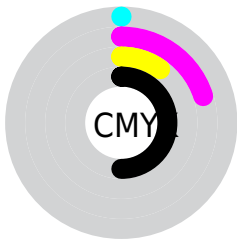
Distribution



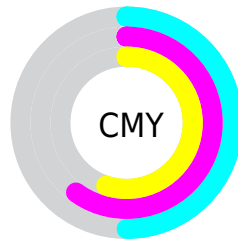
- Red (50%)
- Green (40%)
- Blue (45%)



- Red (50%)
- Yellow (40%)
- Blue (45%)



- Cyan (0%)
- Magenta (20%)
- Yellow (10%)
- Black (50%)





- Cyan (50%)
- Magenta (60%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 12.491, 346.411 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, 12.491, 346.411 by changing the saturation by 10% instead.


 46, 12.491,
346.411


 46, 12.491,
346.411


 100, 12.491,
346.411


 36, 12.491,
346.411

 66, 12.491,
346.411


 26, 12.491,
346.411

 76, 12.491,
346.411


 16, 12.491,
346.411


 86, 12.491,
346.411

 6, 12.491, 346.411

 96, 12.491,
346.411

 0, 12.491, 346.411

 46, 12.491,

 46, 12.491,

346.411

346.411

■ 42, 18.976,
347.431

■ 50, 6.072, 345.487

■ 39, 25.411,
348.585

■ 53, 0.201, 166.193

■ 57, 6.289, 164.028

■ 36, 31.613,
349.920

■ 61, 12.173,
163.325

■ 33, 37.336,
351.504

■ 65, 17.850,
162.689

■ 31, 42.282,
353.428

■ 69, 23.325,
162.103

■ 29, 46.153,
355.813

■ 72, 28.607,
161.560

■ 27, 48.740,
358.806

■ 76, 33.710,
161.055

■ 26, 50.496, 2.264

■ 80, 38.646,

■ 26, 50.560, 2.377 160.583

Harmonies

Complementary

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



46, 12.491, 346.411



51, 12.168, 163.091

Rectangle

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



46, 12.491, 346.411



46, 12.491, 36.411



46, 12.491, 166.411



46, 12.491, 216.411

Sweetspot

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



46, 12.489, 346.414



65, 4.661, 345.163



45, 15.812, 310.510



34, 3.118, 345.212



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, 12.489, 346.414



57, 19.010, 346.898



46, 10.521, 22.028



25, 3.546, 345.436



26, 50.663, 2.390



0, 0.000, 0.000

Inverse Universe

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



46, 12.489, 346.414



57, 19.010, 346.898



51, 9.289, 199.977



25, 3.546, 345.436



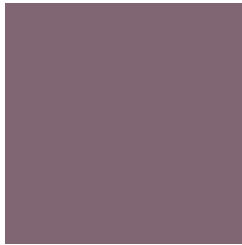
26, 50.663, 2.390



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 46, 12.491, 346.411 looks on a white background.

Color Contrast Check

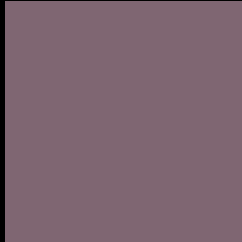
Large Text (above 18pt) WCAG AA ✓ Pass

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, 12.491, 346.411 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

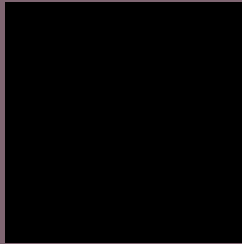
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 12.491, 346.411

Background



This preview shows how black text looks on a background with the CIELCh color 46, 12.491, 346.411.



This preview shows how white text looks on a background with the CIELCh color 46, 12.491, 346.411.

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, 12.491, 346.411

Protanopia

46, 5.950, 291.006

Deuteranopia

46, 6.450, 340.126



Tritanopia
46, 11.025, 355.473

Trichromacy



Original Color
46, 12.491, 346.411

Protanomaly
46, 7.511, 319.733

Deuteranomaly
46, 8.114, 344.689

Tritanomaly
46, 11.265, 352.718

Monochromacy



Original Color
46, 12.491, 346.411

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 4.398, 347.328

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 12.491, 346.411 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(127, 102, 114)` looks like.

```
.text, #text, p{  
    color:rgb(127, 102, 114)  
}
```

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(127, 102, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 102, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 12.491, 346.411 is called "border". The border property can be set on classes, ids or directly on the HTML element.

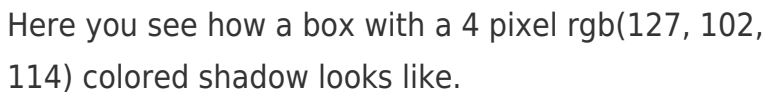
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(127, 102, 114) }
```

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

```
.border{ border-color:rgb(127, 102, 114) }
```

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



Here you see how a box with a 4 pixel `rgb(127, 102, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 102, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 102, 114);  
box-shadow:4px 4px 4px 4px rgb(127, 102,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 12.491, 346.411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 102, 114) }
```

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

```
.background{ background-color: rgb(127,  
102, 114) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor