

Converting Colors

CIELCh(46, 14.948, 315.396)

Have a look what the booklet for
CIELCh(46, 14.948, 315.396)
contains.

CIELCh(46, 14.942, 314.928)	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, 14.942, 314.928)

Conversions

Conversions Part 1

Format	Color
Hex	77687F
RGB	119, 104, 127
RGB Percent	47%, 41%, 50%
CMY	0.5345, 0.5933, 0.5031
CMYK	0.06, 0.18, 0.00, 0.50
HSL	279°, 10%, 45%
HSV	279°, 18%, 50%
XYZ	16.3003, 15.2687, 22.0654
YIQ	111.1070, 1.5570, 10.3330

Conversions

Conversions Part 2

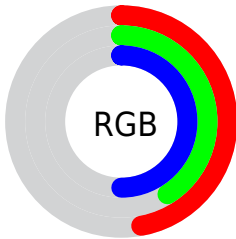
Format	Color
R_{YB}	119, 104, 127
Decimal	7825535
CIE _{Lab}	46.00, 10.55, -10.58
CIE _{LCh}	46, 14.942, 314.928
Yxy	15.2687, 0.3039, 0.2847
Android (android.graphics.Color)	4286015615 (0xFF77687F)
YUV	111.1070, 7.8352, 6.9222
Hunter-Lab	39.0751, 6.0802, -6.1279

Details

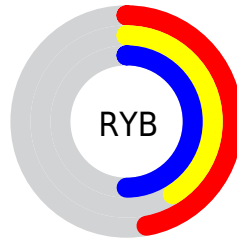
The CIELCh color $46, 14.942, 314.928$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $51, 14.708, 133.440$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 15.135, 314.371$, and $26, 14.854, 314.165$ is the 20% darker color. If you saturate the color by 10%, you get $42, 23.379, 315.357$, and if you desaturate by 10%, it is $50, 6.636, 314.503$.

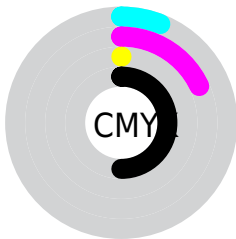
Distribution



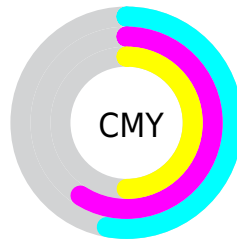
- Red (47%)
- Green (41%)
- Blue (50%)



- Red (47%)
- Yellow (41%)
- Blue (50%)



- Cyan (6%)
- Magenta (18%)
- Yellow (0%)
- Black (50%)



- Cyan (53%)
- Magenta (59%)
- Yellow (50%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 14.942, 314.928 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, 14.942, 314.928 by changing the saturation by 10% instead.


 46, 14.942,
314.928


 46, 14.942,
314.928


 100, 14.942,
314.928


 36, 14.942,
314.928

 66, 14.942,
314.928


 26, 14.942,
314.928

 76, 14.942,
314.928

 16, 14.942,
314.928


 86, 14.942,
314.928

 6, 14.942, 314.928

 96, 14.942,
314.928

 0, 14.942, 314.928

 46, 14.942,

 46, 14.942,

314.928

42, 23.379,
315.357

38, 31.866,
315.781

35, 40.263,
316.180

31, 48.356,
316.518

28, 55.844,
316.749

26, 62.332,
316.815

23, 67.390,
316.648

22, 71.104,
316.278

314.928

50, 6.636, 314.503

54, 1.486, 134.209

58, 9.400, 133.776

62, 17.094,
133.434

66, 24.568,
133.127

70, 31.825,
132.850

73, 38.874,
132.602

77, 45.723,
132.381

81, 52.383,

■ 21, 71.813,
316.222

132.186

Harmonies

Complementary

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



46, 14.942, 314.928



51, 14.708, 133.440

Rectangle

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



46, 14.942, 314.928



46, 14.942, 4.928



46, 14.942, 134.928



46, 14.942, 184.928

Sweetspot

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



46, 14.941, 314.927



66, 5.060, 314.371



47, 9.279, 272.229



34, 3.481, 314.398



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, 14.941, 314.927



57, 22.661, 315.115



47, 14.797, 329.878



25, 4.621, 314.544



22, 72.141, 316.216



0, 0.000, 0.000

Inverse Universe

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



46, 10.629, 354.415



58, 16.160, 354.900



51, 14.759, 147.690



25, 3.270, 353.480



26, 51.104, 14.766



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 46, 14.942, 314.928 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, 14.942, 314.928 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

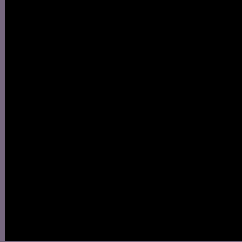
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 14.942, 314.928

Background



This preview shows how black text looks on a background with the CIELCh color 46, 14.942, 314.928.



This preview shows how white text looks on a background with the CIELCh color 46, 14.942, 314.928.

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, 14.942, 314.928

Protanopia

46, 13.103, 287.059

Deuteranopia

46, 12.102, 300.939



Tritanopia
46, 6.554, 333.766

Trichromacy



Original Color
46, 14.942, 314.928

Protanomaly
46, 13.814, 298.347

Deuteranomaly
46, 13.040, 307.335

Tritanomaly
46, 9.860, 323.057

Monochromacy



Original Color
46, 14.942, 314.928

Achromatopsia
47, 0.006, 296.813

Achromatomaly
46, 5.890, 314.952

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 14.942, 314.928 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(119, 104, 127)` looks like.

```
.text, #text, p{  
    color:rgb(119, 104, 127)  
}
```

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(119, 104, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 104, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 14.942, 314.928 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(119, 104, 127) }
```

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

```
.border{ border-color:rgb(119, 104, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 104, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 104, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 104, 127);  
box-shadow:4px 4px 4px 4px rgb(119, 104,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 14.942, 314.928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 104, 127) }
```

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

```
.background{ background-color: rgb(119,  
104, 127) }
```

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