

Converting Colors

CIELCh(46, 14.654, 91.640)

Have a look what the booklet for
CIELCh(46, 14.654, 91.640) contains.

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Color

CIELCh(46, 14.313, 90.114)

Conversions

Conversions Part 1

Format	Color
Hex	766C55
RGB	118, 108, 85
RGB Percent	46%, 42%, 33%
CMY	0.5368, 0.5760, 0.6662
CMYK	0.00, 0.08, 0.28, 0.54
HSL	42°, 16%, 40%
HSV	42°, 28%, 46%
XYZ	14.5078, 15.2687, 10.8012
YIQ	108.3680, 13.3430, -5.0330

Conversions

Conversions Part 2

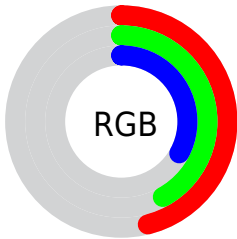
Format	Color
R_{YB}	99, 118, 85
Decimal	7760981
CIE Lab	46.00, -0.03, 14.31
CIE LCh	46, 14.313, 90.114
Yxy	15.2687, 0.3575, 0.3763
Android (android.graphics.Color)	4285951061 (0xFF766C55)
YUV	108.3680, -11.5204, 8.4473
Hunter-Lab	39.0751, -2.1082, 10.9636

Details

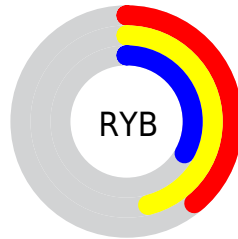
The CIELCh color **46, 14.313, 90.114** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **40, 14.365, 277.410**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 14.120, 88.488**, and **26, 14.228, 90.773** is the 20% darker color. If you saturate the color by 10%, you get **45, 19.569, 88.856**, and if you desaturate by 10%, it is **47, 9.117, 91.347**.

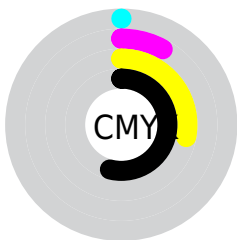
Distribution



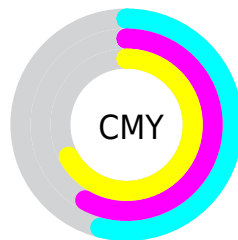
- Red (46%)
- Green (42%)
- Blue (33%)



- Red (39%)
- Yellow (46%)
- Blue (33%)



- Cyan (0%)
- Magenta (8%)
- Yellow (28%)
- Black (54%)



- Cyan (54%)
- Magenta (58%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 14.313, 90.114 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, 14.313, 90.114 by changing the saturation by 10% instead.

■ 46, 14.313, 90.114

■ 46, 14.313, 90.114

■ 100, 14.313,
90.114

■ 36, 14.313, 90.114

■ 66, 14.313, 90.114

■ 26, 14.313, 90.114

■ 76, 14.313, 90.114

■ 16, 14.313, 90.114

■ 86, 14.313, 90.114

■ 6, 14.313, 90.114

■ 96, 14.313, 90.114

■ 0, 14.313, 90.114

■ 46, 14.313, 90.114

■ 46, 14.313, 90.114

■ 45, 19.569, 88.856

■ 47, 9.117, 91.347

■ 44, 24.841, 87.556

■ 49, 3.998, 92.520

42, 30.052, 86.218

50, 1.035, 273.855

41, 35.059, 84.825

51, 5.981, 274.844

40, 39.618, 83.342

53, 10.844,
275.894

39, 43.359, 81.695

54, 15.627,
276.905

38, 46.298, 79.915

38, 46.979, 79.589

56, 20.335,
277.868

57, 24.975,
278.785

59, 29.550,
279.655

Harmonies

Complementary

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



46, 14.313, 90.114



40, 14.365, 277.410

Rectangle

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



46, 14.313, 90.114



46, 14.313, 140.114



46, 14.313, 270.114



46, 14.313, 320.114

Sweetspot

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



46, 14.314, 90.120



62, 4.979, 92.491



40, 15.447, 357.652



32, 3.522, 92.348



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



46, 14.314, 90.120



58, 21.632, 89.252



48, 19.344, 115.473



24, 2.820, 92.396



39, 48.182, 79.488



76, 81.474, 77.969

Inverse Universe

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



40, 14.365, 277.410



49, 21.747, 278.655



38, 20.528, 299.581



23, 2.829, 274.605



19, 57.375, 296.941



41, 102.873, 298.843

Previews

White Background



This preview shows how the CIE LCh color 46, 14.313, 90.114 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, 14.313, 90.114 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

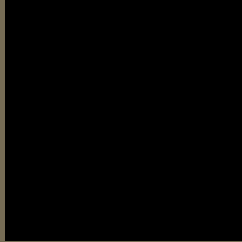
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 14.313, 90.114

Background



This preview shows how black text looks on a background with the CIELCh color 46, 14.313, 90.114.



This preview shows how white text looks on a background with the CIELCh color 46, 14.313, 90.114.

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, 14.313, 90.114

Protanopia

46, 14.494, 95.789

Deuteranopia

46, 15.093, 67.703



Tritanopia
46, 8.799, 343.180

Trichromacy



Original Color
46, 14.313, 90.114

Protanomaly
46, 14.599, 94.074

Deuteranomaly
46, 14.400, 74.474

Tritanomaly
46, 6.460, 30.639

Monochromacy



Original Color
46, 14.313, 90.114

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 5.023, 89.835

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 14.313, 90.114 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(118, 108, 85)` looks like.

```
.text, #text, p{  
    color:rgb(118, 108, 85)  
}
```

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(118, 108, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 108, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 14.313, 90.114 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(118, 108, 85) }
```

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

```
.border{ border-color:rgb(118, 108, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 108, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 108, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 108, 85);  
box-shadow:4px 4px 4px 4px rgb(118, 108,  
85) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 14.313, 90.114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 108, 85) }
```

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

```
.background{ background-color: rgb(118,  
108, 85) }
```

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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