

Converting Colors

CIELCh(46, 10.451, 84.066)

Have a look what the booklet for
CIELCh(46, 10.451, 84.066) contains.

CIELCh(46, 10.433, 84.087)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(46, 10.433, 84.087)

Conversions

Conversions Part 1

Format	Color
Hex	766C5C
RGB	118, 108, 92
RGB Percent	46%, 42%, 36%
CMY	0.5383, 0.5775, 0.6402
CMYK	0.00, 0.08, 0.22, 0.54
HSL	37°, 12%, 41%
HSV	37°, 22%, 46%
XYZ	14.6882, 15.2687, 12.2380
YIQ	109.1660, 11.0960, -2.8560

Conversions

Conversions Part 2

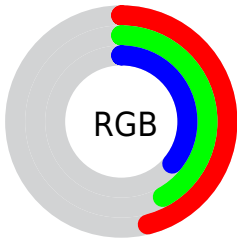
Format	Color
R_{YB}	108, 118, 92
Decimal	7760988
CIE _{Lab}	46.00, 1.07, 10.38
CIE _{LCh}	46, 10.433, 84.087
Yxy	15.2687, 0.3481, 0.3619
Android (android.graphics.Color)	4285951068 (0xFF766C5C)
YUV	109.1660, -8.4628, 7.7474
Hunter-Lab	39.0751, -1.2840, 8.7835

Details

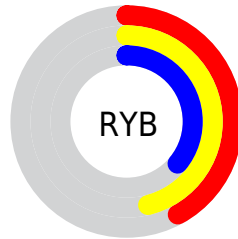
The CIELCh color **46, 10.433, 84.087** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **43, 10.244, 269.909**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 10.367, 83.972**, and **26, 10.555, 86.126** is the 20% darker color. If you saturate the color by 10%, you get **44, 15.363, 82.818**, and if you desaturate by 10%, it is **48, 5.629, 85.329**.

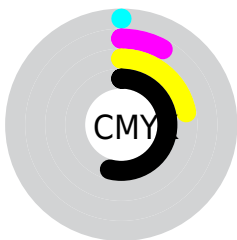
Distribution



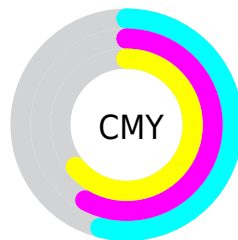
- Red (46%)
- Green (42%)
- Blue (36%)



- Red (42%)
- Yellow (46%)
- Blue (36%)



- Cyan (0%)
- Magenta (8%)
- Yellow (22%)
- Black (54%)





















- Cyan (54%)
- Magenta (58%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 10.433, 84.087 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, 10.433, 84.087 by changing the saturation by 10% instead.

 46, 10.433, 84.087	 46, 10.433, 84.087
 100, 10.433, 84.087	 36, 10.433, 84.087
 66, 10.433, 84.087	 26, 10.433, 84.087
 76, 10.433, 84.087	 16, 10.433, 84.087
 86, 10.433, 84.087	 6, 10.433, 84.087
 96, 10.433, 84.087	 0, 10.433, 84.087

 46, 10.433, 84.087	 46, 10.433, 84.087
 44, 15.363, 82.818	 48, 5.629, 85.329
 43, 20.403, 81.504	 49, 0.949, 86.373

41, 25.516, 80.151

51, 3.609, 267.792

40, 30.623, 78.747

52, 8.054, 268.886

39, 35.574, 77.258

54, 12.396,
269.953

37, 40.095, 75.610

56, 16.643,
270.978

36, 43.761, 73.666

35, 46.626, 72.225

58, 20.803,
271.955

59, 24.886,
272.885

61, 28.898,
273.769

Harmonies

Complementary

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



46, 10.433, 84.087



43, 10.244, 269.909

Rectangle

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



46, 10.433, 84.087



46, 10.433, 134.087



46, 10.433, 264.087



46, 10.433, 314.087

Sweetspot

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



46, 10.434, 84.096



62, 4.015, 85.903



42, 12.583, 351.443



32, 2.595, 85.859



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, 10.434, 84.096



58, 15.326, 83.515



49, 15.172, 112.394



24, 2.604, 85.689



36, 47.949, 72.084



72, 81.453, 70.165

Inverse Universe

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



43, 10.244, 269.909



53, 14.981, 270.681



40, 15.919, 296.092



23, 2.591, 267.998



22, 50.234, 292.004



46, 90.237, 294.231

Previews

White Background



This preview shows how the CIELCh color 46, 10.433, 84.087 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, 10.433, 84.087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

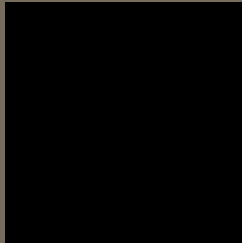
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 10.433, 84.087

Background



This preview shows how black text looks on a background with the CIELCh color 46, 10.433, 84.087.



This preview shows how white text looks on a background with the CIELCh color 46, 10.433, 84.087.

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, 10.433, 84.087

Protanopia

46, 10.374, 94.192

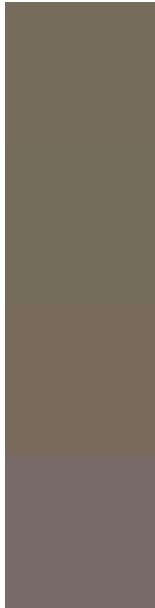
Deuteranopia

46, 11.776, 60.643



Tritanopia
46, 7.784, 342.840

Trichromacy



Original Color
46, 10.433, 84.087

Protanomaly
46, 10.494, 91.874

Deuteranomaly
46, 10.915, 68.932

Tritanomaly
46, 5.490, 26.170

Monochromacy



Original Color
46, 10.433, 84.087

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 3.755, 90.143

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 10.433, 84.087 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, 92)` looks like.

```
.text, #text, p{  
    color:rgb(118, 108, 92)  
}
```

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, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 108, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 10.433, 84.087 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, 92) }
```

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

```
.border{ border-color:rgb(118, 108, 92) }
```

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, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 108, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 108, 92);  
box-shadow:4px 4px 4px 4px rgb(118, 108,  
92) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 10.433, 84.087 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, 92) }
```

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

```
.background{ background-color: rgb(118,  
108, 92) }
```

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