

Converting Colors

CIELCh(46, 13.839, 89.223)

Have a look what the booklet for
CIELCh(46, 13.839, 89.223) contains.

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Color

CIELCh(46, 13.752, 89.483)

Conversions

Conversions Part 1

Format	Color
Hex	766C56
RGB	118, 108, 86
RGB Percent	46%, 42%, 34%
CMY	0.5370, 0.5762, 0.6625
CMYK	0.00, 0.08, 0.27, 0.54
HSL	41°, 16%, 40%
HSV	41°, 27%, 46%
XYZ	14.5326, 15.2687, 10.9989
YIQ	108.4820, 13.0220, -4.7220

Conversions

Conversions Part 2

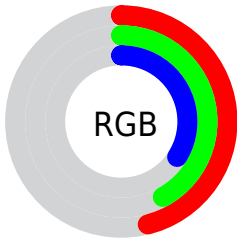
Format	Color
RYB	101, 118, 86
Decimal	7760982
CIELab	46.00, 0.12, 13.75
CIELCh	46, 13.752, 89.483
Yxy	15.2687, 0.3562, 0.3742
Android (android.graphics.Color)	4285951062 (0xFF766C56)
YUV	108.4820, -11.0836, 8.3473
Hunter-Lab	39.0751, -1.9947, 10.6636

Details

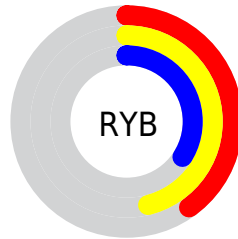
The CIELCh color **46, 13.752, 89.483** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **41, 13.761, 276.573**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 13.601, 87.783**, and **26, 13.613, 90.206** is the 20% darker color. If you saturate the color by 10%, you get **45, 18.969, 88.221**, and if you desaturate by 10%, it is **47, 8.603, 90.719**.

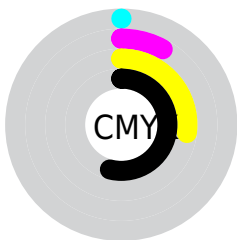
Distribution



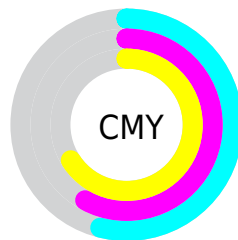
- Red (46%)
- Green (42%)
- Blue (34%)



- Red (40%)
- Yellow (46%)
- Blue (34%)



- Cyan (0%)
- Magenta (8%)
- Yellow (27%)
- Black (54%)



- Cyan (54%)
- Magenta (58%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 13.752, 89.483 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, 13.752, 89.483 by changing the saturation by 10% instead.

■ 46, 13.752, 89.483 ■ 46, 13.752, 89.483

■ 100, 13.752, 89.483 ■ 36, 13.752, 89.483

■ 66, 13.752, 89.483 ■ 26, 13.752, 89.483

■ 76, 13.752, 89.483 ■ 16, 13.752, 89.483

■ 86, 13.752, 89.483 ■ 6, 13.752, 89.483

■ 96, 13.752, 89.483 ■ 0, 13.752, 89.483

■ 46, 13.752, 89.483 ■ 46, 13.752, 89.483

■ 45, 18.969, 88.221 ■ 47, 8.603, 90.719

■ 43, 24.216, 86.917 ■ 49, 3.538, 91.890

42, 29.421, 85.572

50, 1.436, 273.197

41, 34.450, 84.173

51, 6.321, 274.225

40, 39.074, 82.683

53, 11.120,
275.278

39, 42.932, 81.029

54, 15.837,
276.290

38, 45.924, 79.207

37, 46.889, 78.738

56, 20.479,
277.256

57, 25.050,
278.174

59, 29.557,
279.045

Harmonies

Complementary

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



46, 13.752, 89.483



41, 13.761, 276.573

Rectangle

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



46, 13.752, 89.483



46, 13.752, 139.483



46, 13.752, 269.483



46, 13.752, 319.483

Sweetspot

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



46, 13.753, 89.490



62, 4.931, 91.767



40, 14.962, 357.548



32, 3.488, 91.624



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, 13.753, 89.490



58, 20.811, 88.642



48, 18.766, 115.530



24, 2.793, 91.673



39, 48.106, 78.632



76, 81.380, 77.062

Inverse Universe

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



41, 13.761, 276.573



50, 20.840, 277.774



38, 19.875, 299.501



23, 2.800, 273.896



19, 56.552, 296.434



42, 101.441, 298.376

Previews

White Background



This preview shows how the CIELCh color 46, 13.752, 89.483 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, 13.752, 89.483 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

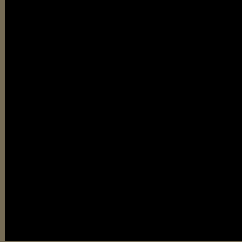
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 13.752, 89.483

Background



This preview shows how black text looks on a background with the CIELCh color 46, 13.752, 89.483.



This preview shows how white text looks on a background with the CIELCh color 46, 13.752, 89.483.

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, 13.752, 89.483

Protanopia

46, 13.920, 95.389

Deuteranopia

46, 14.630, 66.345



Tritanopia
46, 8.799, 343.180

Trichromacy



Original Color
46, 13.752, 89.483

Protanomaly
46, 14.029, 93.612

Deuteranomaly
46, 13.900, 73.268

Tritanomaly
46, 6.460, 30.639

Monochromacy



Original Color
46, 13.752, 89.483

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 4.890, 94.534

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 13.752, 89.483 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, 86)` looks like.

```
.text, #text, p{  
    color:rgb(118, 108, 86)  
}
```

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, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 108, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 13.752, 89.483 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, 86) }
```

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

```
.border{ border-color:rgb(118, 108, 86) }
```

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, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 108, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 108, 86);  
box-shadow:4px 4px 4px 4px rgb(118, 108,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 13.752, 89.483 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, 86) }
```

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

```
.background{ background-color: rgb(118,  
108, 86) }
```

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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