

Converting Colors

CIELCh(46, 13.946, 81.811)

Have a look what the booklet for
CIELCh(46, 13.946, 81.811) contains.

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Color

CIELCh(46, 13.946, 81.811)

Conversions

Conversions Part 1

Format	Color
Hex	796B56
RGB	121, 107, 86
RGB Percent	47%, 42%, 34%
CMY	0.5253, 0.5802, 0.6625
CMYK	0.00, 0.12, 0.29, 0.53
HSL	36°, 17%, 41%
HSV	36°, 29%, 47%
XYZ	14.8384, 15.2687, 10.9804
YIQ	108.7920, 15.0850, -3.5630

Conversions

Conversions Part 2

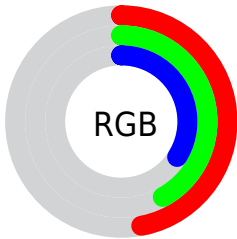
Format	Color
RYB	109, 121, 86
Decimal	7957334
CIELab	46.00, 1.99, 13.80
CIELCh	46, 13.946, 81.811
Yxy	15.2687, 0.3611, 0.3716
Android (android.graphics.Color)	4286147414 (0xFF796B56)
YUV	108.7920, -11.2365, 10.7064
Hunter-Lab	39.0751, -0.5977, 10.6917

Details

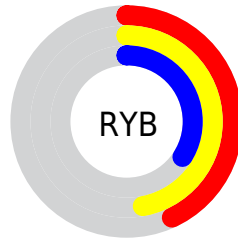
The CIELCh color **46, 13.946, 81.811** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **42, 13.520, 269.726**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 13.810, 80.664**, and **26, 13.852, 81.501** is the 20% darker color. If you saturate the color by 10%, you get **44, 19.034, 80.513**, and if you desaturate by 10%, it is **48, 8.990, 83.087**.

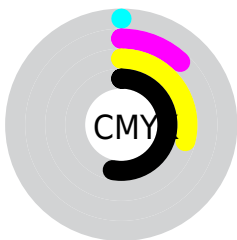
Distribution



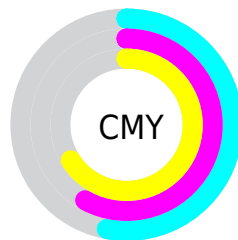
- Red (47%)
- Green (42%)
- Blue (34%)



- Red (43%)
- Yellow (47%)
- Blue (34%)



- Cyan (0%)
- Magenta (12%)
- Yellow (29%)
- Black (53%)





















- Cyan (53%)
- Magenta (58%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 13.946, 81.811 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, 13.946, 81.811 by changing the saturation by 10% instead.

 46, 13.946, 81.811	 46, 13.946, 81.811
 100, 13.946, 81.811	 36, 13.946, 81.811
 66, 13.946, 81.811	 26, 13.946, 81.811
 76, 13.946, 81.811	 16, 13.946, 81.811
 86, 13.946, 81.811	 6, 13.946, 81.811
 96, 13.946, 81.811	 0, 13.946, 81.811

 46, 13.946, 81.811	 46, 13.946, 81.811
 44, 19.034, 80.513	 48, 8.990, 83.087
 43, 24.228, 79.171	 49, 4.173, 84.303

■ 41, 29.466, 77.785

■ 51, 0.507, 265.949

■ 40, 34.624, 76.327

■ 53, 5.060, 266.754

■ 38, 39.469, 74.733

■ 55, 9.494, 267.852

■ 37, 43.610, 72.878

■ 56, 13.820,
268.914

■ 36, 47.184, 70.901

■ 58, 18.048,
269.931

■ 36, 47.631, 70.728

■ 60, 22.188,
270.902

■ 62, 26.248,
271.825

Harmonies

Complementary

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



46, 13.946, 81.811



42, 13.520, 269.726

Rectangle

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



46, 13.946, 81.811



46, 13.946, 131.811



46, 13.946, 261.811



46, 13.946, 311.811

Sweetspot

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



46, 13.946, 81.818



63, 5.245, 84.267



41, 16.984, 352.218



32, 3.631, 84.125



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



46, 13.946, 81.818



58, 21.212, 80.913



50, 20.262, 111.854



25, 2.661, 84.284



37, 48.733, 70.612



72, 82.282, 68.688

Inverse Universe

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



42, 13.520, 269.726



52, 20.400, 271.070



38, 21.624, 296.858



24, 2.643, 266.622



23, 49.726, 291.000



47, 88.533, 293.217

Previews

White Background



This preview shows how the CIELCh color 46, 13.946, 81.811 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, 13.946, 81.811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

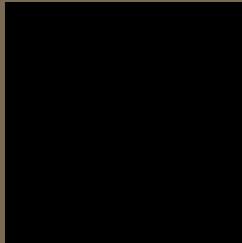
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 13.946, 81.811

Background



This preview shows how black text looks on a background with the CIELCh color 46, 13.946, 81.811.



This preview shows how white text looks on a background with the CIELCh color 46, 13.946, 81.811.

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, 13.946, 81.811

Protanopia

46, 13.347, 94.948

Deuteranopia

46, 14.630, 66.345



Tritanopia
46, 9.523, 350.837

Trichromacy



Original Color
46, 13.946, 81.811

Protanomaly
46, 13.192, 88.792

Deuteranomaly
46, 14.176, 71.798

Tritanomaly
46, 7.742, 29.028

Monochromacy



Original Color
46, 13.946, 81.811

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 4.642, 82.556

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 13.946, 81.811 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(121, 107, 86)` looks like.

```
.text, #text, p{  
    color:rgb(121, 107, 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(121, 107, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 107, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 13.946, 81.811 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(121, 107, 86) }
```

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

```
.border{ border-color:rgb(121, 107, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 107, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 107, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 107, 86);  
box-shadow:4px 4px 4px 4px rgb(121, 107,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 13.946, 81.811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 107, 86) }
```

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

```
.background{ background-color: rgb(121,  
107, 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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