

Converting Colors

CIELCh(46, 36.975, 80.173)

Have a look what the booklet for
CIELCh(46, 36.975, 80.173) contains.

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Color

CIELCh(46, 37.284, 80.541)

Conversions

Conversions Part 1

Format	Color
Hex	88682E
RGB	136, 104, 46
RGB Percent	53%, 41%, 18%
CMY	0.4676, 0.5930, 0.8204
CMYK	0.00, 0.24, 0.66, 0.47
HSL	39°, 50%, 36%
HSV	39°, 66%, 53%
XYZ	15.5337, 15.2687, 4.6923
YIQ	106.9560, 37.6900, -11.2540

Conversions

Conversions Part 2

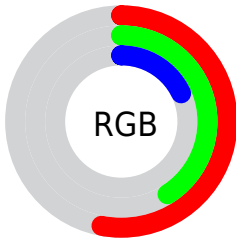
Format	Color
RYB	96, 136, 46
Decimal	8939566
CIELab	46.00, 6.13, 36.78
CIELCh	46, 37.284, 80.541
Yxy	15.2687, 0.4376, 0.4302
Android (android.graphics.Color)	4287129646 (0xFF88682E)
YUV	106.9560, -30.0513, 25.4716
Hunter-Lab	39.0751, 2.5783, 20.2328

Details

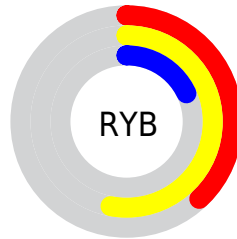
The CIELCh color **46, 37.284, 80.541** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **33, 36.847, 282.717**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 37.489, 80.604**, and **26, 36.140, 79.713** is the 20% darker color. If you saturate the color by 10%, you get **45, 42.559, 78.976**, and if you desaturate by 10%, it is **47, 31.630, 82.000**.

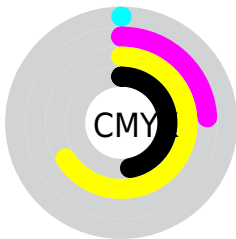
Distribution



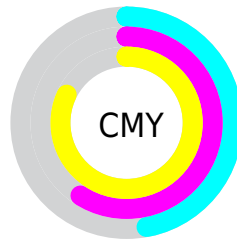
- Red (53%)
- Green (41%)
- Blue (18%)



- Red (38%)
- Yellow (53%)
- Blue (18%)



- Cyan (0%)
- Magenta (24%)
- Yellow (66%)
- Black (47%)



- Cyan (47%)
- Magenta (59%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 37.284, 80.541 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, 37.284, 80.541 by changing the saturation by 10% instead.

■ 46, 37.284, 80.541

■ 46, 37.284, 80.541

■ 100, 37.284,
80.541

■ 36, 37.284, 80.541

■ 66, 37.284, 80.541

■ 26, 37.284, 80.541

■ 76, 37.284, 80.541

■ 16, 37.284, 80.541

■ 86, 37.284, 80.541

■ 6, 37.284, 80.541

■ 96, 37.284, 80.541

■ 0, 37.284, 80.541

■ 46, 37.284, 80.541

■ 46, 37.284, 80.541

■ 45, 42.559, 78.976

■ 47, 31.630, 82.000

■ 43, 47.043, 77.199

■ 49, 25.848, 83.391

■ 42, 50.356, 75.114

■ 51, 20.076, 84.738

■ 41, 51.641, 74.396

■ 52, 14.383, 86.047

■ 54, 8.803, 87.313

■ 56, 3.348, 88.513

■ 57, 1.982, 269.860

■ 59, 7.193, 270.936

■ 61, 12.291,
272.023

Harmonies

Complementary

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



46, 37.284, 80.541



33, 36.847, 282.717

Rectangle

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



46, 37.284, 80.541



46, 37.284, 130.541



46, 37.284, 260.541



46, 37.284, 310.541

Sweetspot

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



46, 37.284, 80.544



68, 13.444, 86.791



33, 41.346, 1.003



35, 9.270, 86.480



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



46, 37.284, 80.544



56, 54.603, 78.037



54, 48.289, 110.875



28, 3.062, 88.177



40, 50.766, 74.469



1, 1.411, 89.318

Inverse Universe

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



33, 36.847, 282.717



38, 55.798, 287.892



26, 58.067, 303.065



27, 3.056, 270.523



23, 56.400, 294.241



0, 1.412, 269.326

Previews

White Background



This preview shows how the CIELCh color 46, 37.284, 80.541 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, 37.284, 80.541 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, 37.284, 80.541

Background



This preview shows how black text looks on a background with the CIELCh color 46, 37.284, 80.541.



This preview shows how white text looks on a background with the CIELCh color 46, 37.284, 80.541.

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, 37.284, 80.541

Protanopia

46, 35.832, 95.871

Deuteranopia

46, 37.284, 80.541



Tritanopia
46, 18.325, 8.985

Trichromacy



Original Color
46, 37.284, 80.541

Protanomaly
46, 35.703, 90.303

Deuteranomaly
46, 37.284, 80.541

Tritanomaly
46, 20.353, 50.365

Monochromacy



Original Color
46, 37.284, 80.541

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 13.400, 86.935

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 37.284, 80.541 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(136, 104, 46)` looks like.

```
.text, #text, p{  
    color:rgb(136, 104, 46)  
}
```

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(136, 104, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 104, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 37.284, 80.541 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(136, 104, 46) }
```

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

```
.border{ border-color:rgb(136, 104, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 104, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 104, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 104, 46);  
box-shadow:4px 4px 4px 4px rgb(136, 104,  
46) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 37.284, 80.541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 104, 46) }
```

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

```
.background{ background-color: rgb(136,  
104, 46) }
```

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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