

Converting Colors

CIELCh(46, 44.581, 82.764)

Have a look what the booklet for
CIELCh(46, 44.581, 82.764) contains.

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Color

CIELCh(46, 44.587, 82.682)

Conversions

Conversions Part 1

Format	Color
Hex	89681E
RGB	137, 104, 30
RGB Percent	54%, 41%, 12%
CMY	0.4634, 0.5927, 0.8829
CMYK	0.00, 0.24, 0.78, 0.46
HSL	42°, 64%, 33%
HSV	42°, 78%, 54%
XYZ	15.4574, 15.2687, 3.3505
YIQ	105.4310, 43.4220, -16.0180

Conversions

Conversions Part 2

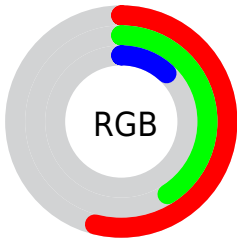
Format	Color
R_{YB}	78, 137, 30
Decimal	9005086
CIE _{Lab}	46.00, 5.68, 44.22
CIE _{LCh}	46, 44.587, 82.682
Yxy	15.2687, 0.4536, 0.4481
Android (android.graphics.Color)	4287195166 (0xFF89681E)
YUV	105.4310, -37.1875, 27.6860
Hunter-Lab	39.0751, 2.2300, 22.2688

Details

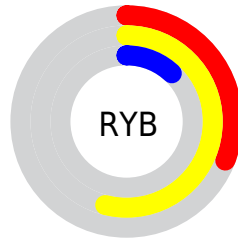
The CIELCh color **46, 44.587, 82.682** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **28, 47.627, 289.854**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 44.588, 82.531**, and **26, 36.140, 79.713** is the 20% darker color. If you saturate the color by 10%, you get **45, 48.649, 80.964**, and if you desaturate by 10%, it is **47, 39.526, 84.217**.

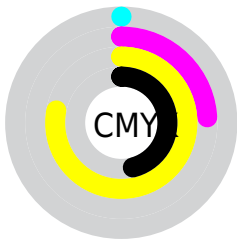
Distribution



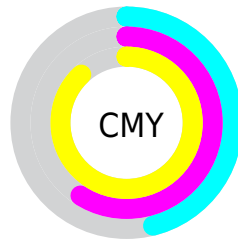
- Red (54%)
- Green (41%)
- Blue (12%)



- Red (31%)
- Yellow (54%)
- Blue (12%)



- Cyan (0%)
- Magenta (24%)
- Yellow (78%)
- Black (46%)



- Cyan (46%)
- Magenta (59%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 44.587, 82.682 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, 44.587, 82.682 by changing the saturation by 10% instead.

■ 46, 44.587, 82.682

■ 46, 44.587, 82.682

■ 100, 44.587,
82.682

■ 36, 44.587, 82.682

■ 66, 44.587, 82.682

■ 26, 44.587, 82.682

■ 76, 44.587, 82.682

■ 16, 44.587, 82.682

■ 86, 44.587, 82.682

■ 6, 44.587, 82.682

■ 96, 44.587, 82.682

■ 0, 44.587, 82.682

■ 46, 44.587, 82.682

■ 46, 44.587, 82.682

■ 45, 48.649, 80.964

■ 47, 39.526, 84.217

■ 44, 51.573, 79.032

■ 49, 33.919, 85.646

43, 52.143, 78.707

50, 28.063, 87.015

51, 22.132, 88.342

53, 16.220, 89.631

54, 10.377, 90.882

56, 4.626, 92.079

57, 1.024, 273.455

59, 6.573, 274.445

Harmonies

Complementary

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



46, 44.587, 82.682



28, 47.627, 289.854

Rectangle

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



46, 44.587, 82.682



46, 44.587, 132.682



46, 44.587, 262.682



46, 44.587, 312.682

Sweetspot

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



46, 44.587, 82.685



68, 16.381, 90.221



31, 47.035, 8.569



35, 11.323, 89.823



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, 44.587, 82.685



57, 61.746, 79.379



54, 55.271, 112.985



28, 3.209, 91.966



42, 50.977, 78.791



1, 1.482, 93.076

Inverse Universe

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



28, 47.627, 289.854



31, 72.616, 295.918



22, 68.850, 305.595



27, 3.217, 274.247



21, 60.806, 296.955



0, 1.483, 273.083

Previews

White Background



This preview shows how the CIELCh color 46, 44.587, 82.682 looks on a white background.

Color Contrast Check

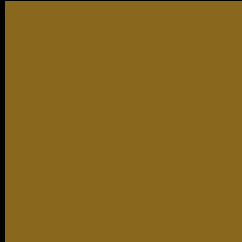
Large Text (above 18pt) WCAG AA ✓ Pass

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, 44.587, 82.682 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, 44.587, 82.682

Background



This preview shows how black text looks on a background with the CIELCh color 46, 44.587, 82.682.



This preview shows how white text looks on a background with the CIELCh color 46, 44.587, 82.682.

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, 44.587, 82.682

Protanopia

46, 43.375, 95.008

Deuteranopia

46, 44.587, 82.682



Tritanopia
46, 19.633, 10.076

Trichromacy



Original Color
46, 44.587, 82.682

Protanomaly
46, 43.326, 90.353

Deuteranomaly
46, 44.587, 82.682

Tritanomaly
46, 23.489, 54.296

Monochromacy



Original Color
46, 44.587, 82.682

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 16.937, 89.081

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 44.587, 82.682 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(137, 104, 30)` looks like.

```
.text, #text, p{  
    color:rgb(137, 104, 30)  
}
```

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(137, 104, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 104, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 44.587, 82.682 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(137, 104, 30) }
```

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

```
.border{ border-color:rgb(137, 104, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 104, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 104, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 104, 30);  
box-shadow:4px 4px 4px 4px rgb(137, 104,  
30) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 44.587, 82.682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 104, 30) }
```

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

```
.background{ background-color: rgb(137,  
104, 30) }
```

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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