

Converting Colors

CIELCh(46, 30.477, 30.881)

Have a look what the booklet for
CIELCh(46, 30.477, 30.881) contains.

CIELCh(46, 30.603, 30.966)	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, 30.603, 30.966)

Conversions

Conversions Part 1

Format	Color
Hex	9D5B54
RGB	157, 91, 84
RGB Percent	62%, 36%, 33%
CMY	0.3846, 0.6434, 0.6709
CMYK	0.00, 0.42, 0.47, 0.38
HSL	6°, 30%, 47%
HSV	6°, 47%, 62%
XYZ	19.2210, 15.2687, 10.3073
YIQ	109.9360, 41.5830, 11.8150

Conversions

Conversions Part 2

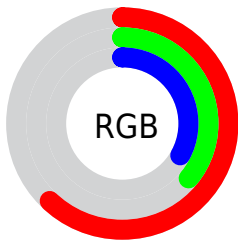
Format	Color
RYB	157, 92, 84
Decimal	10312532
CIELab	46.00, 26.24, 15.75
CIElCh	46, 30.603, 30.966
Yxy	15.2687, 0.4291, 0.3408
Android (android.graphics.Color)	4288502612 (0xFF9D5B54)
YUV	109.9360, -12.7864, 41.2751
Hunter-Lab	39.0751, 19.4223, 11.7130

Details

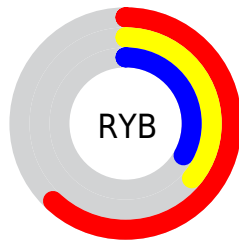
The CIELCh color **46, 30.603, 30.966** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **58, 21.660, 208.224**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 30.590, 30.445**, and **26, 30.960, 30.670** is the 20% darker color. If you saturate the color by 10%, you get **43, 38.490, 32.315**, and if you desaturate by 10%, it is **50, 23.129, 29.958**.

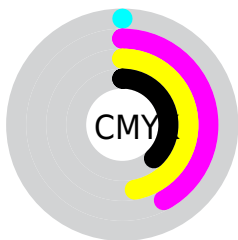
Distribution



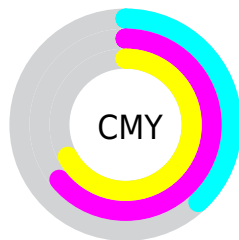
- Red (62%)
- Green (36%)
- Blue (33%)



- Red (62%)
- Yellow (36%)
- Blue (33%)



- Cyan (0%)
- Magenta (42%)
- Yellow (47%)
- Black (38%)



- Cyan (38%)
- Magenta (64%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 30.603, 30.966 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, 30.603, 30.966 by changing the saturation by 10% instead.

■ 46, 30.603, 30.966

■ 46, 30.603, 30.966

■ 100, 30.603,
30.966

■ 36, 30.603, 30.966

■ 66, 30.603, 30.966

■ 26, 30.603, 30.966

■ 76, 30.603, 30.966

■ 16, 30.603, 30.966

■ 86, 30.603, 30.966

■ 6, 30.603, 30.966

■ 96, 30.603, 30.966

■ 0, 30.603, 30.966

■ 46, 30.603, 30.966

■ 46, 30.603, 30.966

■ 43, 38.490, 32.315

■ 50, 23.129, 29.958

■ 39, 46.658, 34.043

■ 54, 16.140, 29.215

37, 54.859, 36.133

58, 9.653, 28.675

35, 62.615, 38.378

62, 3.657, 28.238

33, 69.038, 40.296

66, 1.882, 208.378

33, 71.022, 41.063

70, 7.005, 208.057

75, 11.754,
207.961

79, 16.172,
207.932

83, 20.300,
207.948

Harmonies

Complementary

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



46, 30.603, 30.966



58, 21.660, 208.224

Rectangle

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



46, 30.603, 30.966



46, 30.603, 80.966



46, 30.603, 210.966



46, 30.603, 260.966

Sweetspot

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



46, 30.601, 30.970



75, 10.043, 28.574



47, 46.529, 329.371



38, 6.974, 28.664



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



46, 30.601, 30.970



55, 47.317, 32.403



55, 28.175, 77.807



31, 3.230, 28.361



30, 65.770, 40.798



1, 4.101, 27.701

Inverse Universe

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



58, 21.660, 208.224



73, 30.438, 208.649



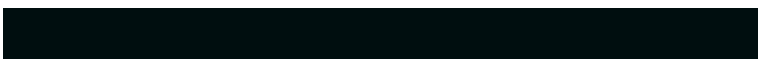
48, 26.441, 272.186



33, 3.046, 208.117



49, 29.122, 212.989



3, 4.016, 210.247

Previews

White Background



This preview shows how the CIELCh color 46, 30.603, 30.966 looks on a white background.

Color Contrast Check

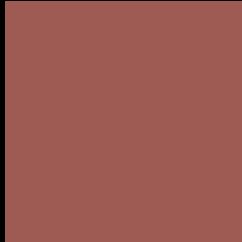
Large Text (above 18pt) WCAG AA ✓ Pass

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, 30.603, 30.966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

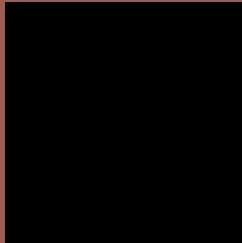
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 30.603, 30.966

Background



This preview shows how black text looks on a background with the CIELCh color 46, 30.603, 30.966.



This preview shows how white text looks on a background with the CIELCh color 46, 30.603, 30.966.

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, 30.603, 30.966

Protanopia

46, 9.803, 93.452

Deuteranopia

46, 18.089, 70.963



Tritanopia
46, 30.346, 16.206

Trichromacy



Original Color
46, 30.603, 30.966

Protanomaly
46, 14.486, 49.791

Deuteranomaly
46, 21.121, 51.017

Tritanomaly
46, 30.206, 21.500

Monochromacy



Original Color
46, 30.603, 30.966

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 10.382, 27.140

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 30.603, 30.966 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(157, 91, 84)` looks like.

```
.text, #text, p{  
    color:rgb(157, 91, 84)  
}
```

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(157, 91, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 91, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 30.603, 30.966 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(157, 91, 84) }
```

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

```
.border{ border-color:rgb(157, 91, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 91, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 91, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 91, 84);  
box-shadow:4px 4px 4px 4px rgb(157, 91,  
84) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 30.603, 30.966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 91, 84) }
```

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

```
.background{ background-color: rgb(157, 91,  
84) }
```

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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