

Converting Colors

CIELCh(46, 31.028, 51.011)

Have a look what the booklet for
CIELCh(46, 31.028, 51.011) contains.

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Color

CIELCh(46, 30.954, 51.022)

Conversions

Conversions Part 1

Format	Color
Hex	976046
RGB	151, 96, 70
RGB Percent	59%, 38%, 27%
CMY	0.4096, 0.6251, 0.7269
CMYK	0.00, 0.36, 0.54, 0.41
HSL	19°, 37%, 43%
HSV	19°, 54%, 59%
XYZ	17.9212, 15.2687, 7.7354
YIQ	109.4810, 41.1260, 3.5740

Conversions

Conversions Part 2

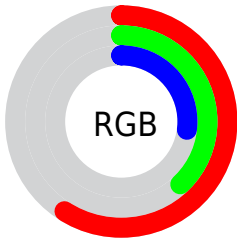
Format	Color
RYB	151, 108, 70
Decimal	9920582
CIELab	46.00, 19.47, 24.06
CIELCh	46, 30.954, 51.022
Yxy	15.2687, 0.4379, 0.3731
Android (android.graphics.Color)	4288110662 (0xFF976046)
YUV	109.4810, -19.4641, 36.4122
Hunter-Lab	39.0751, 13.4846, 15.6154

Details

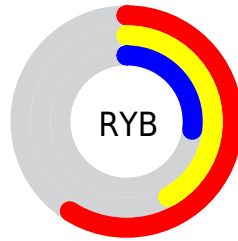
The CIELCh color **46, 30.954, 51.022** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **50, 22.224, 241.796**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 30.978, 50.761**, and **26, 30.946, 50.796** is the 20% darker color. If you saturate the color by 10%, you get **43, 37.986, 50.716**, and if you desaturate by 10%, it is **49, 24.295, 51.429**.

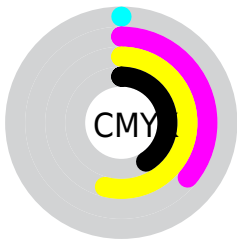
Distribution



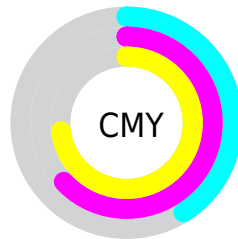
- Red (59%)
- Green (38%)
- Blue (27%)



- Red (59%)
- Yellow (42%)
- Blue (27%)



- Cyan (0%)
- Magenta (36%)
- Yellow (54%)
- Black (41%)



- Cyan (41%)
- Magenta (63%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 30.954, 51.022 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, 30.954, 51.022 by changing the saturation by 10% instead.

■ 46, 30.954, 51.022

■ 46, 30.954, 51.022

■ 100, 30.954,
51.022

■ 36, 30.954, 51.022

■ 66, 30.954, 51.022

■ 26, 30.954, 51.022

■ 76, 30.954, 51.022

■ 16, 30.954, 51.022

■ 86, 30.954, 51.022

■ 6, 30.954, 51.022

■ 96, 30.954, 51.022

■ 0, 30.954, 51.022

■ 46, 30.954, 51.022

■ 46, 30.954, 51.022

■ 43, 37.986, 50.716

■ 49, 24.295, 51.429

■ 41, 45.255, 50.451

■ 52, 18.060, 51.927

39, 52.431, 50.092

55, 12.249, 52.506

36, 58.822, 49.306

58, 6.840, 53.137

35, 62.722, 49.044

61, 1.800, 53.679

64, 2.907, 234.778

68, 7.317, 235.453

71, 11.464,
236.198

74, 15.381,
236.952

Harmonies

Complementary

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



46, 30.954, 51.022



50, 22.224, 241.796

Rectangle

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



46, 30.954, 51.022



46, 30.954, 101.022



46, 30.954, 231.022



46, 30.954, 281.022

Sweetspot

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



46, 30.953, 51.026



73, 9.972, 52.972



42, 43.857, 339.220



38, 6.832, 52.852



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



46, 30.953, 51.026



55, 48.482, 50.647



57, 37.309, 95.231



31, 2.802, 53.421



33, 59.341, 49.200



2, 2.944, 53.498

Inverse Universe

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



50, 22.224, 241.796



61, 31.726, 245.249



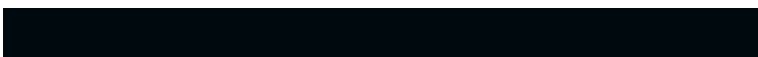
38, 40.657, 290.240



31, 2.677, 235.016



38, 32.111, 258.689



2, 2.945, 235.599

Previews

White Background



This preview shows how the CIELCh color 46, 30.954, 51.022 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, 30.954, 51.022 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

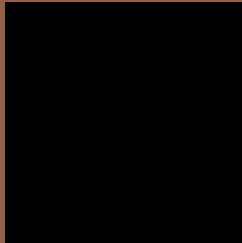
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 30.954, 51.022

Background



This preview shows how black text looks on a background with the CIELCh color 46, 30.954, 51.022.



This preview shows how white text looks on a background with the CIELCh color 46, 30.954, 51.022.

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, 30.954, 51.022

Protanopia

46, 20.396, 95.725

Deuteranopia

46, 25.266, 75.681



Tritanopia
46, 26.726, 14.502

Trichromacy



Original Color
46, 30.954, 51.022

Protanomaly
46, 22.185, 74.513

Deuteranomaly
46, 26.558, 64.993

Tritanomaly
46, 26.919, 29.083

Monochromacy



Original Color
46, 30.954, 51.022

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 10.277, 51.328

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 30.954, 51.022 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(151, 96, 70)` looks like.

```
.text, #text, p{  
    color:rgb(151, 96, 70)  
}
```

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(151, 96, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 96, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 30.954, 51.022 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(151, 96, 70) }
```

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

```
.border{ border-color:rgb(151, 96, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 96, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 96, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 96, 70);  
box-shadow:4px 4px 4px 4px rgb(151, 96,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 30.954, 51.022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 96, 70) }
```

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

```
.background{ background-color: rgb(151, 96,  
70) }
```

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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