

Converting Colors

CIELCh(46, 31.636, 98.196)

Have a look what the booklet for
CIELCh(46, 31.636, 98.196) contains.

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Color

CIELCh(46, 31.946, 98.014)

Conversions

Conversions Part 1

Format	Color
Hex	776E37
RGB	119, 110, 55
RGB Percent	47%, 43%, 22%
CMY	0.5345, 0.5697, 0.7853
CMYK	0.00, 0.08, 0.54, 0.53
HSL	52°, 37%, 34%
HSV	52°, 54%, 47%
XYZ	13.7989, 15.2687, 5.8024
YIQ	106.4210, 23.0190, -15.1970

Conversions

Conversions Part 2

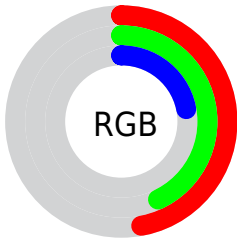
Format	Color
RYB	65, 119, 55
Decimal	7826999
CIELab	46.00, -4.45, 31.63
CIElCh	46, 31.946, 98.014
Yxy	15.2687, 0.3957, 0.4379
Android (android.graphics.Color)	4286017079 (0xFF776E37)
YUV	106.4210, -25.3506, 11.0318
Hunter-Lab	39.0751, -5.3466, 18.5484

Details

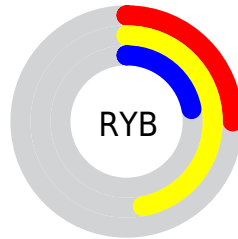
The CIELCh color **46, 31.946, 98.014** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **29, 35.345, 292.102**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 32.034, 97.483**, and **26, 32.109, 98.757** is the 20% darker color. If you saturate the color by 10%, you get **45, 37.321, 96.948**, and if you desaturate by 10%, it is **47, 26.234, 99.099**.

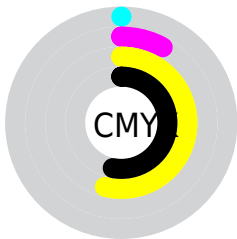
Distribution



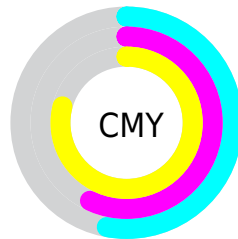
- Red (47%)
- Green (43%)
- Blue (22%)



- Red (25%)
- Yellow (47%)
- Blue (22%)



- Cyan (0%)
- Magenta (8%)
- Yellow (54%)
- Black (53%)



- Cyan (53%)
- Magenta (57%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 31.946, 98.014 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, 31.946, 98.014 by changing the saturation by 10% instead.

■ 46, 31.946, 98.014

■ 46, 31.946, 98.014

■ 100, 31.946,
98.014

■ 36, 31.946, 98.014

■ 66, 31.946, 98.014

■ 26, 31.946, 98.014

■ 76, 31.946, 98.014

■ 16, 31.946, 98.014

■ 86, 31.946, 98.014

■ 6, 31.946, 98.014

■ 96, 31.946, 98.014

■ 0, 31.946, 98.014

■ 46, 31.946, 98.014

■ 46, 31.946, 98.014

■ 45, 37.321, 96.948

■ 47, 26.234, 99.099

■ 45, 42.122, 95.902

■ 47, 20.337,
100.184

■ 44, 46.023, 94.880

■ 48, 14.351,
101.261

■ 44, 48.712, 93.875

■ 49, 8.335, 102.318

■ 43, 50.229, 93.280

■ 50, 2.322, 103.329

■ 50, 3.665, 284.396

■ 51, 9.615, 285.352

■ 52, 15.522,
286.281

■ 53, 21.381,
287.169

Harmonies

Complementary

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



46, 31.946, 98.014



29, 35.345, 292.102

Rectangle

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



46, 31.946, 98.014



46, 31.946, 148.014



46, 31.946, 278.014



46, 31.946, 328.014

Sweetspot

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



46, 31.947, 98.017



63, 11.989, 102.054



32, 29.943, 14.337



33, 8.159, 101.882



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, 31.947, 98.017



58, 47.110, 96.655



47, 37.551, 120.993



24, 3.342, 102.820



45, 51.329, 93.246



86, 86.645, 92.645

Inverse Universe

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



29, 35.345, 292.102



33, 54.419, 295.127



28, 41.735, 307.181



23, 3.390, 284.751



15, 70.075, 303.344



34, 123.532, 304.478

Previews

White Background



This preview shows how the CIELCh color 46, 31.946, 98.014 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, 31.946, 98.014 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, 31.946, 98.014

Background



This preview shows how black text looks on a background with the CIELCh color 46, 31.946, 98.014.



This preview shows how white text looks on a background with the CIELCh color 46, 31.946, 98.014.

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, 31.946, 98.014

Protanopia

46, 31.612, 96.217

Deuteranopia

46, 31.881, 79.177



Tritanopia
46, 10.180, 349.159

Trichromacy



Original Color
46, 31.946, 98.014

Protanomaly
46, 31.612, 96.217

Deuteranomaly
46, 31.111, 86.179

Tritanomaly
46, 11.237, 67.195

Monochromacy



Original Color
46, 31.946, 98.014

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 11.974, 100.039

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 31.946, 98.014 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(119, 110, 55)` looks like.

```
.text, #text, p{  
    color:rgb(119, 110, 55)  
}
```

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(119, 110, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 110, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 31.946, 98.014 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(119, 110, 55) }
```

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

```
.border{ border-color:rgb(119, 110, 55) }
```

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

Here you see how a box with a 4 pixel rgb(119, 110, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 110, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 110, 55);  
box-shadow:4px 4px 4px 4px rgb(119, 110,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 31.946, 98.014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 110, 55) }
```

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

```
.background{ background-color: rgb(119,  
110, 55) }
```

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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