Converting Colors

CIELCh(46, 10.766, 39.495)

Have a look what the booklet for CIELCh(46, 10.766, 39.495) contains.

Color

CIELCh(46, 10.624, 39.892)

Conversions

Format	Color
Hex	7F6862
RGB	127, 104, 98
RGB Percent	50%, 41%, 38%
CMY	0.5023, 0.5925, 0.6160
CMYK	0.00, 0.18, 0.23, 0.50
HSL	12°, 13%, 44%
HSV	12°, 23%, 50%
XYZ	15.8813, 15.2687, 13.6443
YIQ	110.1930, 15.6340, 3.0100

Conversions Part 1

Conversions

Conversions Part 2

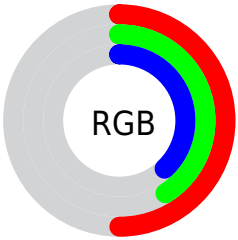
Format	Color
RYB	127, 106, 98
Decimal	8349794
CIELab	46.00, 8.15, 6.81
CIELCh	46, 10.624, 39.892
Yxy	15.2687, 0.3545, 0.3409
Android (android.graphics.Color)	4286539874 (0xFF7F6862)
YUV	110.1930, -6.0111, 14.7397
Hunter-Lab	39.0751, 4.1661, 6.6497

Details

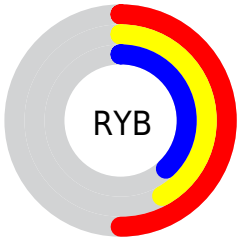
The CIELCh color 46, 10.624, 39.892 is a dark color, and the websafe version is hex 666666. A complement of this color would be 49, 9.188, 221.246, and the grayscale version is 46, 0.006, 296.813.

A 20% lighter version of the original color is 66, 10.521, 38.479, and 26, 10.350, 39.212 is the 20% darker color. If you saturate the color by 10%, you get 43, 15.898, 39.940, and if you desaturate by 10%, it is 49, 5.741, 39.967.

Distribution

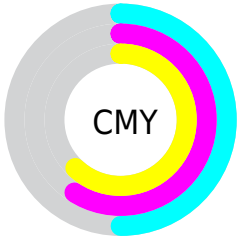


- Red (50%)
- Green (41%)
- Blue (38%)



- Red (50%)
- Yellow (42%)
- Blue (38%)

- Cyan (0%)
- Magenta (18%)
- Yellow (23%)
- Black (50%)



- Cyan (50%)
- Magenta (59%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 10.624, 39.892 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, 10.624, 39.892 by changing the saturation by 10% instead.

46, 10.624, 39.892

100, 10.624, 39.892

66, 10.624, 39.892

76, 10.624, 39.892

86, 10.624, 39.892

96, 10.624, 39.892

46, 10.624, 39.892

36, 10.624, 39.892

26, 10.624, 39.892

16, 10.624, 39.892

6, 10.624, 39.892

0, 10.624, 39.892

46, 10.624, 39.892

43, 15.898, 39.940

40, 21.580, 40.127

46, 10.624, 39.892

49, 5.741, 39.967

52, 1.223, 39.909

37, 27.668, 40.498

35, 34.118, 41.075

32, 40.821, 41.849

30, 47.536, 42.721

28, 53.692, 43.350

27, 57.473, 43.678

55, 2.965, 220.618

59, 6.856, 220.858

62, 10.484, 221.189

65, 13.881, 221.555

68, 17.073, 221.940

72, 20.086, 222.336

75, 22.942, 222.735

Harmonies

Complementary

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

46, 10.624, 39.892

49, 9.188, 221.246

Rectangle

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

46, 10.624, 39.892

46, 10.624, 89.892

46, 10.624, 219.892

46, 10.624, 269.892

Sweetspot

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

46, 10.623, 39.901

65, 3.805, 40.009

45, 18.039, 331.910

34, 2.496, 40.008

85, 0.010, 296.813

36, 0.005, 296.813

Same Dimension

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

46, 10.623, 39.901

58, 15.920, 39.904

50, 12.400, 90.957

25, 2.491, 40.000

28, 57.702, 43.693

0, 0.000, 0.000

Inverse Universe

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

49, 9.188, 221.246

62, 13.303, 221.542

45, 12.444, 276.815

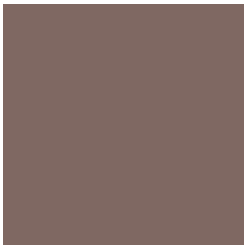
26, 2.361, 220.665

39, 26.290, 235.703

0, 0.000, 0.000

Previews

White Background

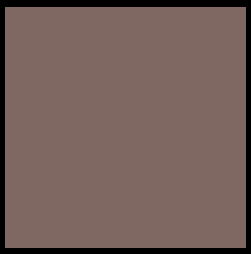


This preview shows how the CIELCh color 46, 10.624, 39.892 looks on a white background.

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



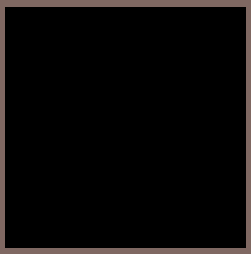
This preview shows how the CIELCh color 46, 10.624, 39.892 looks on a black background.

Color Contrast Check

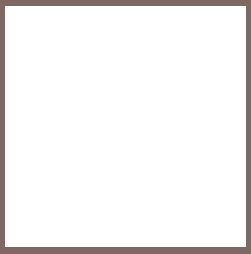
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

CIELCh 46, 10.624, 39.892 Background



This preview shows how black text looks on a background with the CIELCh color 46, 10.624, 39.892.



This preview shows how white text looks on a background with the CIELCh color 46, 10.624, 39.892.

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, 10.624, 39.892

Protanopia
46, 5.577, 91.757

Deuteranopia
46, 9.230, 46.765

Tritanopia
46, 11.811, 357.390

Trichromacy

Original Color
46, 10.624, 39.892

Protanomaly
46, 6.680, 64.734

Deuteranomaly
46, 9.629, 45.622

Tritanomaly
46, 10.703, 11.267

Monochromacy

Original Color
46, 10.624, 39.892

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 3.532, 39.217

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 10.624, 39.892 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(127, 104, 98) looks like.

```
.text, #text, p{
    color:rgb(127, 104, 98)
}
```

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(127, 104, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 104, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 10.624, 39.892 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(127, 104, 98) }
```

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

```
.border{ border-color:rgb(127, 104, 98) }
```

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

Here you see how a box with a 4 pixel rgb(127, 104, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 104, 98); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 104, 98); box-shadow:4px 4px 4px 4px rgb(127, 104, 98) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 10.624, 39.892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(127, 104, 98) }
```

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

```
.background{ background-color:rgb(127,
104, 98) }
```

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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