

Converting Colors

CIELCh(51, 48.279, 64.471)

Have a look what the booklet for
CIELCh(51, 48.279, 64.471) contains.

CIELCh(51, 47.941, 64.326)	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(51, 47.941, 64.326)

Conversions

Conversions Part 1

Format	Color
Hex	AB6A2E
RGB	171, 106, 46
RGB Percent	67%, 42%, 18%
CMY	0.3280, 0.5831, 0.8184
CMYK	0.00, 0.38, 0.73, 0.33
HSL	29°, 57%, 43%
HSV	29°, 73%, 67%
XYZ	22.5568, 19.2686, 5.1458
YIQ	118.5950, 58.0000, -4.8800

Conversions

Conversions Part 2

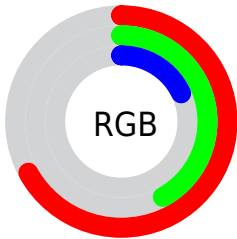
Format	Color
R _Y B	171, 161, 46
Decimal	11233838
CIE Lab	51.00, 20.77, 43.21
CIE LCh	51, 47.941, 64.326
Yxy	19.2686, 0.4802, 0.4102
Android (android.graphics.Color)	4289423918 (0xFFAB6A2E)
YUV	118.5950, -35.7893, 45.9592
Hunter-Lab	43.8960, 14.9076, 23.7768

Details

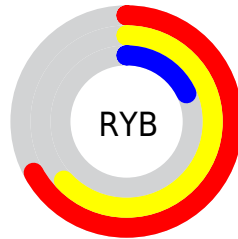
The CIELCh color **51, 47.941, 64.326** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **46, 38.013, 270.032**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 47.891, 64.749**, and **31, 46.452, 63.012** is the 20% darker color. If you saturate the color by 10%, you get **49, 54.720, 62.792**, and if you desaturate by 10%, it is **53, 40.751, 65.644**.

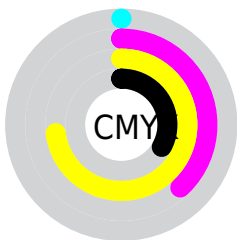
Distribution



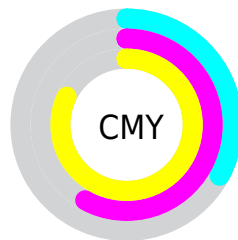
- Red (67%)
- Green (42%)
- Blue (18%)



- Red (67%)
- Yellow (63%)
- Blue (18%)



- Cyan (0%)
- Magenta (38%)
- Yellow (73%)
- Black (33%)



- Cyan (33%)
- Magenta (58%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 47.941, 64.326 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 51, 47.941, 64.326 by changing the saturation by 10% instead.

■ 51, 47.941, 64.326

■ 51, 47.941, 64.326

■ 100, 47.941,
64.326

■ 41, 47.941, 64.326

■ 71, 47.941, 64.326

■ 31, 47.941, 64.326

■ 81, 47.941, 64.326

■ 21, 47.941, 64.326

■ 91, 47.941, 64.326

■ 11, 47.941, 64.326

■ 1, 47.941, 64.326

■ 0, 47.941, 64.326

■ 51, 47.941, 64.326

■ 51, 47.941, 64.326

■ 49, 54.720, 62.792

■ 53, 40.751, 65.644

■ 47, 60.359, 60.758

■ 56, 33.566, 66.873

45, 63.749, 59.192

58, 26.587, 68.076

61, 19.896, 69.273

64, 13.518, 70.465

66, 7.448, 71.637

69, 1.666, 72.656

72, 3.854, 254.107

75, 9.137, 255.183

Harmonies

Complementary

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



51, 47.941, 64.326



46, 38.013, 270.032

Rectangle

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



51, 47.941, 64.326



51, 47.941, 114.326



51, 47.941, 244.326



51, 47.941, 294.326

Sweetspot

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



51, 47.940, 64.329



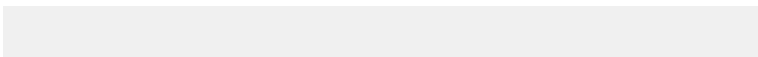
81, 15.942, 70.535



41, 56.522, 350.822



42, 10.869, 70.225



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



51, 47.940, 64.329



61, 71.062, 61.537



67, 60.517, 102.080



35, 3.250, 72.053



40, 57.793, 59.624



4, 6.459, 62.961

Inverse Universe

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



46, 38.013, 270.032



53, 55.773, 277.055



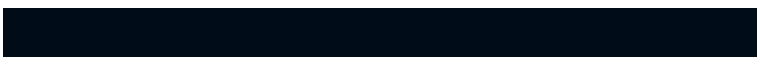
29, 75.731, 301.261



35, 3.172, 254.440



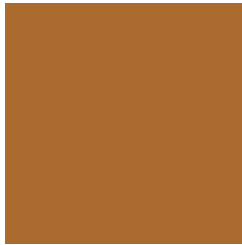
33, 46.066, 281.209



3, 7.260, 262.800

Previews

White Background



This preview shows how the CIELCh color 51, 47.941, 64.326 looks on a white 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

Black Background



This preview shows how the CIELCh color 51, 47.941, 64.326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

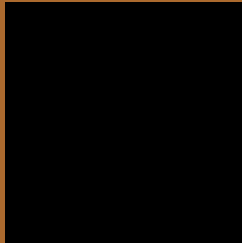
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 47.941, 64.326

Background



This preview shows how black text looks on a background with the CIELCh color 51, 47.941, 64.326.



This preview shows how white text looks on a background with the CIELCh color 51, 47.941, 64.326.

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

51, 47.941, 64.326

Protanopia

51, 40.087, 95.477

Deuteranopia

51, 44.579, 81.747



Tritanopia
51, 32.361, 16.734

Trichromacy



Original Color
51, 47.941, 64.326

Protanomaly
51, 41.243, 82.494

Deuteranomaly
51, 45.268, 74.724

Tritanomaly
51, 34.950, 39.110

Monochromacy



Original Color
51, 47.941, 64.326

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 16.362, 67.985

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 47.941, 64.326 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(171, 106, 46)` looks like.

```
.text, #text, p{  
    color:rgb(171, 106, 46)  
}
```

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(171, 106, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 106, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 47.941, 64.326 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(171, 106, 46) }
```

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

```
.border{ border-color:rgb(171, 106, 46) }
```

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

Here you see how a box with a 4 pixel rgb(171, 106, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 106, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 106, 46);  
box-shadow:4px 4px 4px 4px rgb(171, 106,  
46) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 47.941, 64.326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 106, 46) }
```

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

```
.background{ background-color: rgb(171,  
106, 46) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor