

Converting Colors

CIELCh(51, 42.991, 62.508)

Have a look what the booklet for
CIELCh(51, 42.991, 62.508) contains.

CIELCh(51, 43.068, 62.466)	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, 43.068, 62.466)

Conversions

Conversions Part 1

Format	Color
Hex	A96B38
RGB	169, 107, 56
RGB Percent	66%, 42%, 22%
CMY	0.3368, 0.5800, 0.7800
CMYK	0.00, 0.37, 0.67, 0.34
HSL	27°, 50%, 44%
HSV	27°, 67%, 66%
XYZ	22.3691, 19.2686, 6.2931
YIQ	119.7240, 53.3230, -2.7170

Conversions

Conversions Part 2

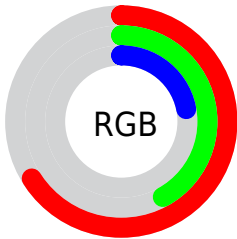
Format	Color
R_{YB}	169, 149, 56
Decimal	11103032
CIE _{Lab}	51.00, 19.91, 38.19
CIE _{LCh}	51, 43.068, 62.466
Yxy	19.2686, 0.4667, 0.4020
Android (android.graphics.Color)	4289293112 (0xFFA96B38)
YUV	119.7240, -31.4159, 43.2151
Hunter-Lab	43.8960, 14.1442, 22.2271

Details

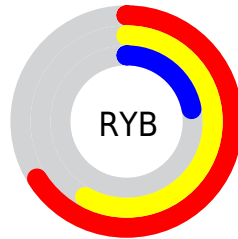
The CIELCh color **51, 43.068, 62.466** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **48, 33.291, 264.269**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 43.119, 62.569**, and **31, 42.851, 62.516** is the 20% darker color. If you saturate the color by 10%, you get **49, 50.270, 61.233**, and if you desaturate by 10%, it is **53, 35.811, 63.598**.

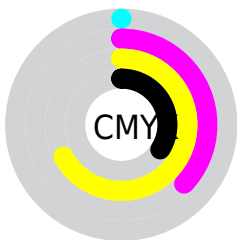
Distribution



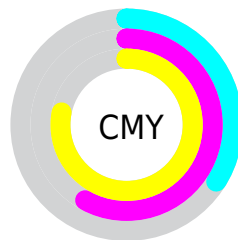
- Red (66%)
- Green (42%)
- Blue (22%)



- Red (66%)
- Yellow (58%)
- Blue (22%)



- Cyan (0%)
- Magenta (37%)
- Yellow (67%)
- Black (34%)



- Cyan (34%)
- Magenta (58%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 43.068, 62.466 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, 43.068, 62.466 by changing the saturation by 10% instead.

■ 51, 43.068, 62.466

■ 51, 43.068, 62.466

■ 100, 43.068,
62.466

■ 41, 43.068, 62.466

■ 71, 43.068, 62.466

■ 31, 43.068, 62.466

■ 81, 43.068, 62.466

■ 21, 43.068, 62.466

■ 91, 43.068, 62.466

■ 11, 43.068, 62.466

■ 1, 43.068, 62.466

■ 0, 43.068, 62.466

■ 51, 43.068, 62.466

■ 51, 43.068, 62.466

■ 49, 50.270, 61.233

■ 53, 35.811, 63.598

■ 46, 56.906, 59.698

■ 56, 28.753, 64.700

44, 62.252, 57.602

59, 22.001, 65.807

44, 63.954, 57.030

62, 15.588, 66.924

64, 9.514, 68.039

67, 3.757, 69.111

70, 1.708, 250.535

73, 6.913, 251.476

76, 11.885,
252.527

Harmonies

Complementary

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



51, 43.068, 62.466



48, 33.291, 264.269

Rectangle

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



51, 43.068, 62.466



51, 43.068, 112.466



51, 43.068, 242.466



51, 43.068, 292.466

Sweetspot

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



51, 43.067, 62.470



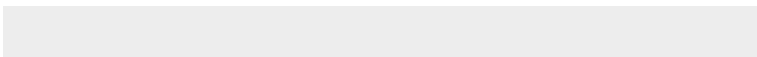
80, 14.102, 67.647



42, 53.111, 348.501



41, 9.678, 67.347



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



51, 43.067, 62.470



61, 64.860, 60.581



66, 55.313, 101.661



34, 3.122, 68.860



38, 57.791, 57.480



3, 5.434, 62.487

Inverse Universe

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



48, 33.291, 264.269



57, 48.136, 270.062



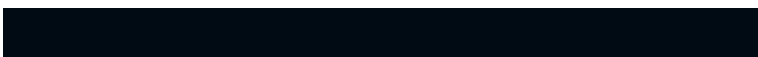
32, 66.926, 299.259



34, 3.035, 251.162



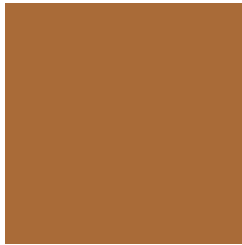
34, 42.898, 277.943



3, 5.881, 258.209

Previews

White Background



This preview shows how the CIELCh color 51, 43.068, 62.466 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, 43.068, 62.466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

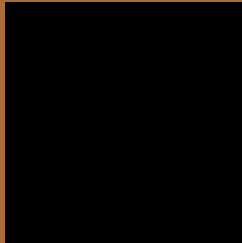
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 43.068, 62.466

Background



This preview shows how black text looks on a background with the CIELCh color 51, 43.068, 62.466.



This preview shows how white text looks on a background with the CIELCh color 51, 43.068, 62.466.

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, 43.068, 62.466

Protanopia

51, 35.002, 95.661

Deuteranopia

51, 39.333, 80.285



Tritanopia
51, 30.571, 14.971

Trichromacy



Original Color
51, 43.068, 62.466

Protanomaly
51, 36.253, 82.656

Deuteranomaly
51, 40.203, 73.264

Tritanomaly
51, 32.055, 36.267

Monochromacy



Original Color
51, 43.068, 62.466

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 14.662, 65.314

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 43.068, 62.466 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(169, 107, 56)` looks like.

```
.text, #text, p{  
    color:rgb(169, 107, 56)  
}
```

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(169, 107, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 107, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 43.068, 62.466 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(169, 107, 56) }
```

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

```
.border{ border-color:rgb(169, 107, 56) }
```

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

Here you see how a box with a 4 pixel rgb(169, 107, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 107, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 107, 56);  
box-shadow:4px 4px 4px 4px rgb(169, 107,  
56) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 43.068, 62.466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 107, 56) }
```

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

```
.background{ background-color: rgb(169,  
107, 56) }
```

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