

Converting Colors

CIELCh(51, 38.948, 56.690)

Have a look what the booklet for
CIELCh(51, 38.948, 56.690) contains.

CIELCh(51, 38.926, 56.165)	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, 38.926, 56.165)

Conversions

Conversions Part 1

Format	Color
Hex	AA6A43
RGB	170, 106, 67
RGB Percent	67%, 42%, 26%
CMY	0.3332, 0.5842, 0.7372
CMYK	0.00, 0.38, 0.61, 0.33
HSL	23°, 43%, 46%
HSV	23°, 61%, 67%
XYZ	22.7549, 19.2686, 7.8340
YIQ	120.6900, 50.6630, 1.4390

Conversions

Conversions Part 2

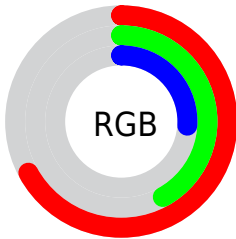
Format	Color
R _Y B	170, 130, 67
Decimal	11168323
CIE Lab	51.00, 21.67, 32.33
CIE LCh	51, 38.926, 56.165
Yxy	19.2686, 0.4564, 0.3865
Android (android.graphics.Color)	4289358403 (0xFFAA6A43)
YUV	120.6900, -26.4692, 43.2449
Hunter-Lab	43.8960, 15.7133, 20.1459

Details

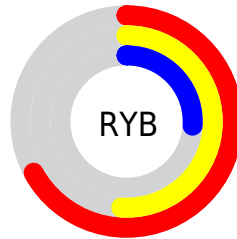
The CIELCh color **51, 38.926, 56.165** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **52, 28.178, 252.368**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 38.779, 56.557**, and **31, 38.839, 55.929** is the 20% darker color. If you saturate the color by 10%, you get **48, 46.609, 55.452**, and if you desaturate by 10%, it is **54, 31.491, 56.894**.

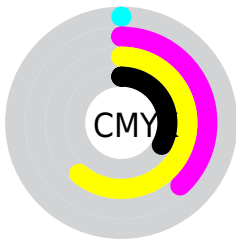
Distribution



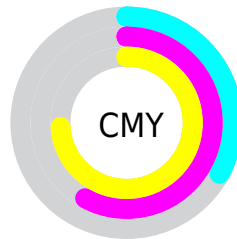
- Red (67%)
- Green (42%)
- Blue (26%)



- Red (67%)
- Yellow (51%)
- Blue (26%)



- Cyan (0%)
- Magenta (38%)
- Yellow (61%)
- Black (33%)



- Cyan (33%)
- Magenta (58%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 38.926, 56.165 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, 38.926, 56.165 by changing the saturation by 10% instead.

■ 51, 38.926, 56.165

■ 51, 38.926, 56.165

■ 100, 38.926,
56.165

■ 41, 38.926, 56.165

■ 71, 38.926, 56.165

■ 31, 38.926, 56.165

■ 81, 38.926, 56.165

■ 21, 38.926, 56.165

■ 91, 38.926, 56.165

■ 11, 38.926, 56.165

■ 1, 38.926, 56.165

■ 0, 38.926, 56.165

■ 51, 38.926, 56.165

■ 51, 38.926, 56.165

■ 48, 46.609, 55.452

■ 54, 31.491, 56.894

■ 46, 54.231, 54.627

■ 57, 24.436, 57.667

44, 61.138, 53.423

60, 17.803, 58.494

42, 66.699, 52.004

63, 11.588, 59.362

66, 5.765, 60.241

69, 0.302, 59.900

73, 4.839, 242.274

76, 9.695, 243.172

79, 14.298,
244.086

Harmonies

Complementary

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



51, 38.926, 56.165



52, 28.178, 252.368

Rectangle

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



51, 38.926, 56.165



51, 38.926, 106.165



51, 38.926, 236.165



51, 38.926, 286.165

Sweetspot

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



51, 38.925, 56.169



81, 12.490, 59.561



45, 51.828, 342.621



42, 8.832, 59.310



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, 38.925, 56.169



61, 60.360, 55.166



64, 47.865, 97.518



34, 3.045, 60.352



36, 59.972, 52.447



3, 5.381, 54.769

Inverse Universe

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



52, 28.178, 252.368



63, 40.401, 257.219



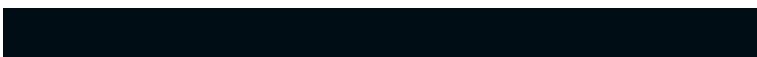
38, 54.633, 294.435



34, 2.929, 242.337



37, 37.136, 268.314



3, 5.603, 250.583

Previews

White Background



This preview shows how the CIELCh color 51, 38.926, 56.165 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, 38.926, 56.165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

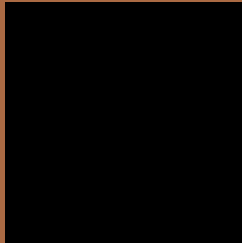
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 38.926, 56.165

Background



This preview shows how black text looks on a background with the CIELCh color 51, 38.926, 56.165.



This preview shows how white text looks on a background with the CIELCh color 51, 38.926, 56.165.

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, 38.926, 56.165

Protanopia

51, 28.465, 96.313

Deuteranopia

51, 33.505, 78.624



Tritanopia
51, 31.027, 16.209

Trichromacy



Original Color
51, 38.926, 56.165

Protanomaly
51, 29.773, 78.703

Deuteranomaly
51, 34.702, 68.815

Tritanomaly
51, 31.803, 33.352

Monochromacy



Original Color
51, 38.926, 56.165

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 13.354, 60.623

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 38.926, 56.165 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(170, 106, 67)` looks like.

```
.text, #text, p{  
    color:rgb(170, 106, 67)  
}
```

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(170, 106, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 106, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 38.926, 56.165 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(170, 106, 67) }
```

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

```
.border{ border-color:rgb(170, 106, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 106, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 106, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 106, 67);  
box-shadow:4px 4px 4px 4px rgb(170, 106,  
67) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 38.926, 56.165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 106, 67) }
```

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

```
.background{ background-color: rgb(170,  
106, 67) }
```

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