

Converting Colors

CIELCh(51, 40.910, 88.696)

Have a look what the booklet for
CIELCh(51, 40.910, 88.696) contains.

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Color

CIELCh(51, 40.910, 88.696)

Conversions

Conversions Part 1

Format	Color
Hex	8F7731
RGB	143, 119, 49
RGB Percent	56%, 47%, 19%
CMY	0.4390, 0.5332, 0.8077
CMYK	0.00, 0.17, 0.66, 0.44
HSL	45°, 49%, 38%
HSV	45°, 66%, 56%
XYZ	18.4919, 19.2686, 5.6545
YIQ	118.1960, 36.7740, -16.6820

Conversions

Conversions Part 2

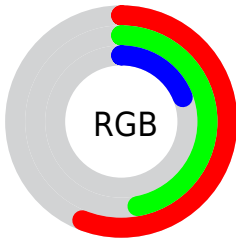
Format	Color
R _Y B	81, 143, 49
Decimal	9402161
CIE Lab	51.00, 0.93, 40.90
CIE LCh	51, 40.910, 88.696
Yxy	19.2686, 0.4259, 0.4438
Android (android.graphics.Color)	4287592241 (0xFF8F7731)
YUV	118.1960, -34.1136, 21.7531
Hunter-Lab	43.8960, -1.6220, 23.0897

Details

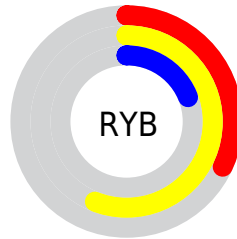
The CIELCh color **51, 40.910, 88.696** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **33, 44.105, 289.330**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 41.087, 88.877**, and **31, 39.869, 88.910** is the 20% darker color. If you saturate the color by 10%, you get **50, 46.236, 87.304**, and if you desaturate by 10%, it is **52, 34.993, 90.034**.

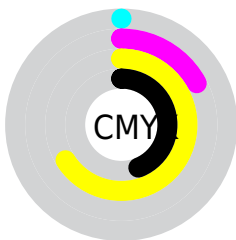
Distribution



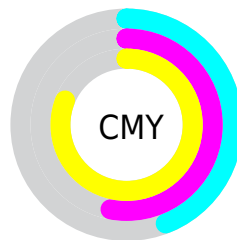
- Red (56%)
- Green (47%)
- Blue (19%)



- Red (32%)
- Yellow (56%)
- Blue (19%)



- Cyan (0%)
- Magenta (17%)
- Yellow (66%)
- Black (44%)



- Cyan (44%)
- Magenta (53%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 40.910, 88.696 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, 40.910, 88.696 by changing the saturation by 10% instead.

■ 51, 40.910, 88.696

■ 51, 40.910, 88.696

■ 100, 40.910,
88.696

■ 41, 40.910, 88.696

■ 71, 40.910, 88.696

■ 31, 40.910, 88.696

■ 81, 40.910, 88.696

■ 21, 40.910, 88.696

■ 91, 40.910, 88.696

■ 11, 40.910, 88.696

■ 1, 40.910, 88.696

■ 0, 40.910, 88.696

■ 51, 40.910, 88.696

■ 51, 40.910, 88.696

■ 50, 46.236, 87.304

■ 52, 34.993, 90.034

■ 49, 50.531, 85.798

■ 53, 28.779, 91.332

■ 48, 53.372, 84.110

■ 55, 22.446, 92.600

■ 47, 54.505, 83.400

■ 56, 16.094, 93.838

■ 57, 9.780, 95.039

■ 59, 3.530, 96.182

■ 60, 2.640, 277.408

■ 61, 8.727, 278.453

■ 63, 14.731,
279.483

Harmonies

Complementary

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



51, 40.910, 88.696



33, 44.105, 289.330

Rectangle

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



51, 40.910, 88.696



51, 40.910, 138.696



51, 40.910, 268.696



51, 40.910, 318.696

Sweetspot

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



51, 40.910, 88.699



72, 15.473, 94.479



35, 42.299, 8.650



38, 10.655, 94.175



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



51, 40.910, 88.699



63, 58.913, 86.577



56, 50.726, 115.555



30, 3.492, 95.797



45, 52.324, 83.518



2, 2.353, 96.871

Inverse Universe

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



33, 44.105, 289.330



36, 67.183, 293.857



28, 59.865, 305.259



28, 3.517, 278.003



20, 66.641, 299.574



1, 2.353, 276.876

Previews

White Background



This preview shows how the CIELCh color 51, 40.910, 88.696 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 CIE LCh color 51, 40.910, 88.696 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

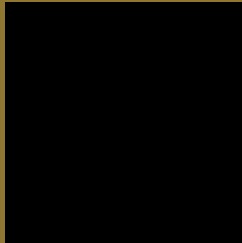
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 40.910, 88.696

Background



This preview shows how black text looks on a background with the CIELCh color 51, 40.910, 88.696.



This preview shows how white text looks on a background with the CIELCh color 51, 40.910, 88.696.

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, 40.910, 88.696

Protanopia

51, 40.481, 96.179

Deuteranopia

51, 41.211, 81.115



Tritanopia
51, 15.955, 4.577

Trichromacy



Original Color
51, 40.910, 88.696

Protanomaly
51, 40.411, 93.437

Deuteranomaly
51, 40.798, 83.772

Tritanomaly
51, 18.970, 59.984

Monochromacy



Original Color
51, 40.910, 88.696

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 15.071, 93.080

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 40.910, 88.696 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(143, 119, 49)` looks like.

```
.text, #text, p{  
    color:rgb(143, 119, 49)  
}
```

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(143, 119, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 119, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 40.910, 88.696 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(143, 119, 49) }
```

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

```
.border{ border-color:rgb(143, 119, 49) }
```

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

Here you see how a box with a 4 pixel rgb(143, 119, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 119, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 119, 49);  
box-shadow:4px 4px 4px 4px rgb(143, 119,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 40.910, 88.696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 119, 49) }
```

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

```
.background{ background-color: rgb(143,  
119, 49) }
```

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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