

Converting Colors

CIELCh(51, 40.677, 98.851)

Have a look what the booklet for
CIELCh(51, 40.677, 98.851) contains.

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Color

CIELCh(51, 40.656, 98.894)

Conversions

Conversions Part 1

Format	Color
Hex	847B32
RGB	132, 123, 50
RGB Percent	52%, 48%, 20%
CMY	0.4828, 0.5180, 0.8043
CMYK	0.00, 0.07, 0.62, 0.48
HSL	53°, 45%, 36%
HSV	53°, 62%, 52%
XYZ	17.1442, 19.2686, 5.8227
YIQ	117.3690, 28.7970, -20.7950

Conversions

Conversions Part 2

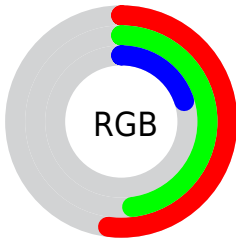
Format	Color
RYB	60, 132, 50
Decimal	8682290
CIELab	51.00, -6.29, 40.17
CIELCh	51, 40.656, 98.894
Yxy	19.2686, 0.4059, 0.4562
Android (android.graphics.Color)	4286872370 (0xFF847B32)
YUV	117.3690, -33.2129, 12.8314
Hunter-Lab	43.8960, -7.1023, 22.8626

Details

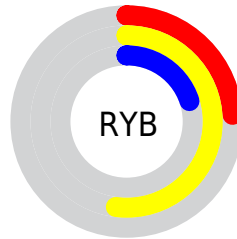
The CIELCh color **51, 40.656, 98.894** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **28, 46.919, 295.519**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 40.785, 98.786**, and **31, 40.093, 99.088** is the 20% darker color. If you saturate the color by 10%, you get **50, 46.011, 97.923**, and if you desaturate by 10%, it is **52, 34.660, 99.913**.

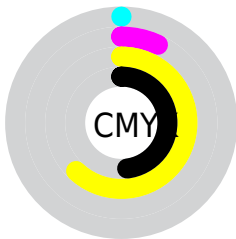
Distribution



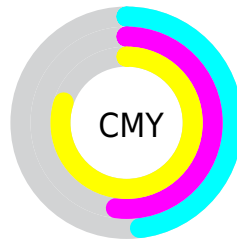
- Red (52%)
- Green (48%)
- Blue (20%)



- Red (24%)
- Yellow (52%)
- Blue (20%)



- Cyan (0%)
- Magenta (7%)
- Yellow (62%)
- Black (48%)



- Cyan (48%)
- Magenta (52%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 40.656, 98.894 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, 40.656, 98.894 by changing the saturation by 10% instead.

51, 40.656, 98.894

51, 40.656, 98.894

100, 40.656,
98.894

41, 40.656, 98.894

71, 40.656, 98.894

31, 40.656, 98.894

81, 40.656, 98.894

21, 40.656, 98.894

91, 40.656, 98.894

11, 40.656, 98.894

1, 40.656, 98.894

0, 40.656, 98.894

51, 40.656, 98.894

51, 40.656, 98.894

50, 46.011, 97.923

52, 34.660, 99.913

50, 50.373, 97.003

52, 28.278,

■ 50, 53.356, 96.140

100.954

■ 49, 55.133, 95.494

■ 53, 21.678,
102.007

■ 53, 14.968,
103.057

■ 54, 8.213, 104.091

■ 55, 1.452, 105.061

■ 56, 5.290, 286.120

■ 57, 11.998,
287.063

■ 57, 18.663,
287.975

Harmonies

Complementary

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



51, 40.656, 98.894



28, 46.919, 295.519

Rectangle

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



51, 40.656, 98.894



51, 40.656, 148.894



51, 40.656, 278.894



51, 40.656, 328.894

Sweetspot

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



51, 40.656, 98.897



68, 15.858, 103.342



33, 38.173, 19.073



36, 10.998, 103.084



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



51, 40.656, 98.897



64, 58.159, 97.500



51, 46.822, 122.050



28, 3.823, 104.398



49, 54.579, 95.505



1, 0.918, 105.331

Inverse Universe

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



28, 46.919, 295.519



30, 71.510, 299.132



29, 52.778, 308.766



26, 3.885, 286.321



15, 75.472, 304.235



0, 0.918, 285.333

Previews

White Background



This preview shows how the CIE LCh color 51, 40.656, 98.894 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, 40.656, 98.894 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, 40.656, 98.894

Background



This preview shows how black text looks on a background with the CIELCh color 51, 40.656, 98.894.



This preview shows how white text looks on a background with the CIELCh color 51, 40.656, 98.894.

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, 40.656, 98.894

Protanopia

51, 40.481, 96.179

Deuteranopia

51, 40.278, 80.715



Tritanopia
51, 11.059, 352.562

Trichromacy



Original Color
51, 40.656, 98.894

Protanomaly
51, 40.401, 96.843

Deuteranomaly
51, 40.120, 87.819

Tritanomaly
51, 14.589, 75.909

Monochromacy



Original Color
51, 40.656, 98.894

Achromatopsia
49, 0.007, 296.813

Achromatomaly
50, 15.151, 103.226

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 40.656, 98.894 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(132, 123, 50)` looks like.

```
.text, #text, p{  
    color:rgb(132, 123, 50)  
}
```

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(132, 123, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 123, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 40.656, 98.894 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(132, 123, 50) }
```

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

```
.border{ border-color:rgb(132, 123, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 123, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 123, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 123, 50);  
box-shadow:4px 4px 4px 4px rgb(132, 123,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 40.656, 98.894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 123, 50) }
```

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

```
.background{ background-color: rgb(132,  
123, 50) }
```

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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