

Converting Colors

CIELCh(44, 40.015, 44.135)

Have a look what the booklet for
CIELCh(44, 40.015, 44.135) contains.

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Color

CIELCh(44, 40.072, 43.972)

Conversions

Conversions Part 1

Format	Color
Hex	9E533B
RGB	158, 83, 59
RGB Percent	62%, 33%, 23%
CMY	0.3793, 0.6736, 0.7678
CMYK	0.00, 0.47, 0.63, 0.38
HSL	15°, 46%, 43%
HSV	15°, 63%, 62%
XYZ	18.0617, 13.8382, 5.8869
YIQ	102.6890, 52.4040, 8.4360

Conversions

Conversions Part 2

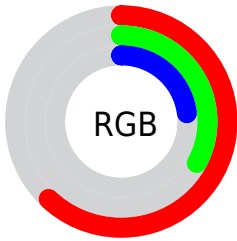
Format	Color
R_{YB}	158, 91, 59
Decimal	10375995
CIE _{Lab}	44.00, 28.84, 27.82
CIE _{LCh}	44, 40.072, 43.972
Y _{xy}	13.8382, 0.4780, 0.3662
Android (android.graphics.Color)	4288566075 (0xFF9E533B)
YUV	102.6890, -21.5387, 48.5077
Hunter-Lab	37.1997, 21.5682, 16.6572

Details

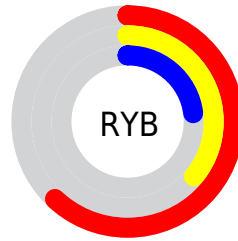
The CIELCh color **44, 40.072, 43.972** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **52, 25.194, 231.578**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 39.858, 44.124**, and **24, 40.095, 43.499** is the 20% darker color. If you saturate the color by 10%, you get **41, 47.989, 44.431**, and if you desaturate by 10%, it is **47, 32.452, 43.669**.

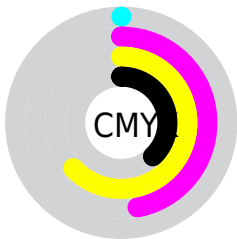
Distribution



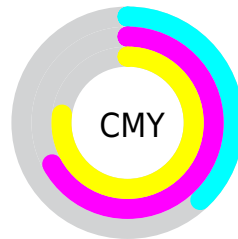
- Red (62%)
- Green (33%)
- Blue (23%)



- Red (62%)
- Yellow (36%)
- Blue (23%)



- Cyan (0%)
- Magenta (47%)
- Yellow (63%)
- Black (38%)



- Cyan (38%)
- Magenta (67%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 40.072, 43.972 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 44, 40.072, 43.972 by changing the saturation by 10% instead.

■ 44, 40.072, 43.972

■ 44, 40.072, 43.972

■ 100, 40.072,
43.972

■ 34, 40.072, 43.972

■ 64, 40.072, 43.972

■ 24, 40.072, 43.972

■ 74, 40.072, 43.972

■ 14, 40.072, 43.972

■ 84, 40.072, 43.972

■ 4, 40.072, 43.972

■ 94, 40.072, 43.972

■ 0, 40.072, 43.972

■ 44, 40.072, 43.972

■ 44, 40.072, 43.972

■ 41, 47.989, 44.431

■ 47, 32.452, 43.669

■ 39, 55.881, 44.911

■ 50, 25.270, 43.538

37, 63.028, 45.069

54, 18.575, 43.567

35, 67.858, 45.288

57, 12.367, 43.728

61, 6.623, 43.977

64, 1.306, 44.067

68, 3.623, 224.956

72, 8.208, 225.354

75, 12.489,
225.830

Harmonies

Complementary

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



44, 40.072, 43.972



52, 25.194, 231.578

Rectangle

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



44, 40.072, 43.972



44, 40.072, 93.972



44, 40.072, 223.972



44, 40.072, 273.972

Sweetspot

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



44, 40.071, 43.976



74, 12.758, 43.801



42, 54.628, 336.162



38, 8.947, 43.739



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



44, 40.071, 43.976



53, 62.233, 44.626



56, 42.124, 88.189



32, 2.934, 44.065



32, 62.514, 45.352



2, 3.736, 43.004

Inverse Universe

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



52, 25.194, 231.578



65, 34.524, 235.245



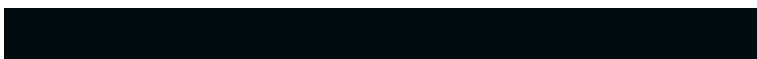
38, 44.731, 287.918



32, 2.782, 225.046



42, 29.329, 243.648



3, 3.681, 228.756

Previews

White Background



This preview shows how the CIELCh color 44, 40.072, 43.972 looks on a white background.

Color Contrast Check

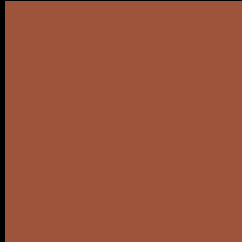
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 44, 40.072, 43.972 looks on a black 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

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

CIELCh 44, 40.072, 43.972

Background



This preview shows how black text looks on a background with the CIELCh color 44, 40.072, 43.972.



This preview shows how white text looks on a background with the CIELCh color 44, 40.072, 43.972.

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

44, 40.072, 43.972

Protanopia

44, 22.790, 96.327

Deuteranopia

44, 29.562, 79.110



Tritanopia
44, 35.828, 20.388

Trichromacy



Original Color
44, 40.072, 43.972

Protanomaly
44, 25.596, 69.301

Deuteranomaly
44, 31.765, 63.453

Tritanomaly
44, 36.385, 29.208

Monochromacy



Original Color
44, 40.072, 43.972

Achromatopsia
44, 0.006, 296.813

Achromatomaly
43, 13.313, 44.417

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 40.072, 43.972 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(158, 83, 59)` looks like.

```
.text, #text, p{  
    color:rgb(158, 83, 59)  
}
```

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(158, 83, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 83, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 40.072, 43.972 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(158, 83, 59) }
```

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

```
.border{ border-color:rgb(158, 83, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 83, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 83, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 83, 59);  
box-shadow:4px 4px 4px 4px rgb(158, 83,  
59) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 40.072, 43.972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 83, 59) }
```

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

```
.background{ background-color: rgb(158, 83,  
59) }
```

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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