

Converting Colors

CIELCh(53, 43.999, 80.573)

Have a look what the booklet for
CIELCh(53, 43.999, 80.573) contains.

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Color

CIELCh(53, 43.999, 80.573)

Conversions

Conversions Part 1

Format	Color
Hex	9E7831
RGB	158, 120, 49
RGB Percent	62%, 47%, 19%
CMY	0.3789, 0.5281, 0.8065
CMYK	0.00, 0.24, 0.69, 0.38
HSL	39°, 53%, 41%
HSV	39°, 69%, 62%
XYZ	21.4934, 21.0462, 5.8716
YIQ	123.2680, 45.4390, -14.0250

Conversions

Conversions Part 2

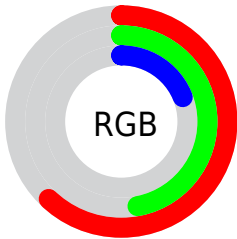
Format	Color
R_{YB}	107, 158, 49
Decimal	10385457
CIE Lab	53.00, 7.21, 43.40
CIE LCh	53, 43.999, 80.573
Yxy	21.0462, 0.4440, 0.4347
Android (android.graphics.Color)	4288575537 (0xFF9E7831)
YUV	123.2680, -36.6141, 30.4600
Hunter-Lab	45.8761, 3.3458, 24.5248

Details

The CIELCh color **53, 43.999, 80.573** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **38, 43.999, 284.317**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 43.932, 80.222**, and **33, 42.681, 80.184** is the 20% darker color. If you saturate the color by 10%, you get **51, 49.698, 78.933**, and if you desaturate by 10%, it is **55, 37.704, 82.079**.

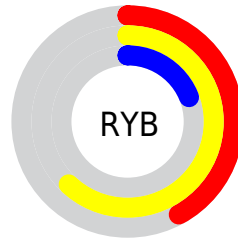
Distribution



Red (62%)

Green (47%)

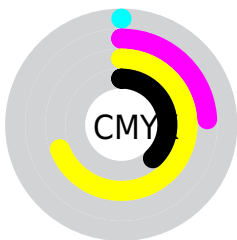
Blue (19%)



Red (42%)

Yellow (62%)

Blue (19%)

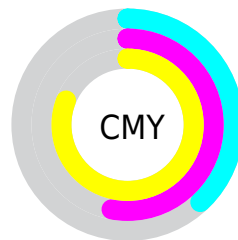


Cyan (0%)

Magenta (24%)

Yellow (69%)

Black (38%)



Cyan (38%)

Magenta (53%)

Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 43.999, 80.573 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 53, 43.999, 80.573 by changing the saturation by 10% instead.

 53, 43.999, 80.573

 53, 43.999, 80.573

 100, 43.999,
80.573

 43, 43.999, 80.573

 73, 43.999, 80.573

 33, 43.999, 80.573

 83, 43.999, 80.573

 23, 43.999, 80.573

 93, 43.999, 80.573

 13, 43.999, 80.573

 3, 43.999, 80.573

 0, 43.999, 80.573

 53, 43.999, 80.573

 53, 43.999, 80.573

 51, 49.698, 78.933

 55, 37.704, 82.079

 50, 54.250, 77.027

 56, 31.168, 83.505

■ 48, 57.410, 74.805

■ 58, 24.592, 84.881

■ 48, 57.790, 74.566

■ 60, 18.079, 86.216

■ 62, 11.682, 87.510

■ 64, 5.419, 88.750

■ 65, 0.702, 270.308

■ 67, 6.688, 271.209

■ 69, 12.545,
272.315

Harmonies

Complementary

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



53, 43.999, 80.573



38, 43.999, 284.317

Rectangle

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



53, 43.999, 80.573



53, 43.999, 130.573



53, 43.999, 260.573



53, 43.999, 310.573

Sweetspot

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



53, 43.999, 80.576



78, 16.201, 87.184



38, 48.112, 3.215



41, 11.085, 86.850



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



53, 43.999, 80.576



65, 63.939, 77.880



62, 56.395, 111.540



33, 3.458, 88.703



44, 53.577, 74.852



3, 4.345, 86.999

Inverse Universe

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



38, 43.999, 284.317



43, 66.948, 289.777



29, 68.548, 303.915



31, 3.453, 271.092



24, 60.612, 294.917



1, 4.579, 271.328

Previews

White Background



This preview shows how the CIELCh color 53, 43.999, 80.573 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 53, 43.999, 80.573 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 53, 43.999, 80.573

Background



This preview shows how black text looks on a background with the CIELCh color 53, 43.999, 80.573.



This preview shows how white text looks on a background with the CIELCh color 53, 43.999, 80.573.

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

53, 43.999, 80.573

Protanopia

53, 42.349, 95.889

Deuteranopia

53, 44.188, 81.358



Tritanopia
53, 21.724, 8.452

Trichromacy



Original Color
53, 43.999, 80.573

Protanomaly
53, 42.798, 90.753

Deuteranomaly
53, 44.188, 81.358

Tritanomaly
53, 23.889, 49.674

Monochromacy



Original Color
53, 43.999, 80.573

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 16.233, 86.118

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 43.999, 80.573 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, 120, 49)` looks like.

```
.text, #text, p{  
    color:rgb(158, 120, 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(158, 120, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 120, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 43.999, 80.573 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, 120, 49) }
```

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

```
.border{ border-color:rgb(158, 120, 49) }
```

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

Here you see how a box with a 4 pixel rgb(158, 120, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 120, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 120, 49);  
box-shadow:4px 4px 4px 4px rgb(158, 120,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 43.999, 80.573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 120, 49) }
```

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

```
.background{ background-color: rgb(158,  
120, 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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