

Converting Colors

CIELCh(53, 23.443, 101.823)

Have a look what the booklet for
CIELCh(53, 23.443, 101.823)
contains.

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Color

CIELCh(53, 23.473, 101.799)

Conversions

Conversions Part 1

Format	Color
Hex	858057
RGB	133, 128, 87
RGB Percent	52%, 50%, 34%
CMY	0.4792, 0.4988, 0.6595
CMYK	0.00, 0.04, 0.35, 0.48
HSL	53°, 21%, 43%
HSV	53°, 35%, 52%
XYZ	19.0508, 21.0462, 12.0373
YIQ	124.8210, 16.1410, -11.6910

Conversions

Conversions Part 2

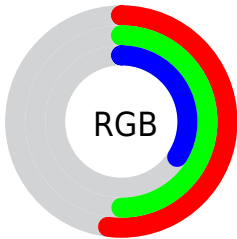
Format	Color
R_{YB}	93, 133, 87
Decimal	8749143
CIE Lab	53.00, -4.80, 22.98
CIE LCh	53, 23.473, 101.799
Yxy	21.0462, 0.3654, 0.4037
Android (android.graphics.Color)	4286939223 (0xFF858057)
YUV	124.8210, -18.6458, 7.1730
Hunter-Lab	45.8761, -6.1581, 16.5564

Details

The CIELCh color $53, 23.473, 101.799$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $40, 24.996, 289.935$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 23.756, 101.950$, and $33, 23.319, 102.356$ is the 20% darker color. If you saturate the color by 10%, you get $52, 30.074, 100.753$, and if you desaturate by 10%, it is $54, 16.740, 102.854$.

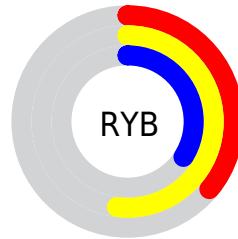
Distribution



Red (52%)

Green (50%)

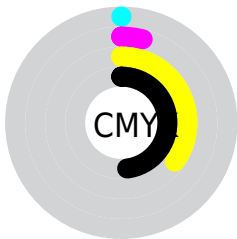
Blue (34%)



Red (36%)

Yellow (52%)

Blue (34%)

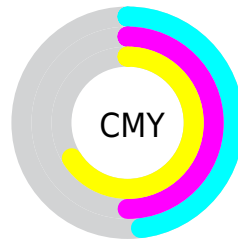


Cyan (0%)

Magenta (4%)

Yellow (35%)

Black (48%)



Cyan (48%)


Magenta (50%)


Yellow (66%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 23.473, 101.799 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, 23.473, 101.799 by changing the saturation by 10% instead.

 53, 23.473,
101.799


 53, 23.473,
101.799


 100, 23.473,
101.799


 43, 23.473,
101.799


 73, 23.473,
101.799

 33, 23.473,
101.799

 83, 23.473,
101.799

 23, 23.473,
101.799

 93, 23.473,
101.799

 13, 23.473,
101.799

 3, 23.473, 101.799

 0, 23.473, 101.799

■ 53, 23.473,
101.799

■ 53, 23.473,
101.799

■ 52, 30.074,
100.753

■ 54, 16.740,
102.854

■ 52, 36.419, 99.717

■ 54, 9.946, 103.893

■ 51, 42.318, 98.712

■ 55, 3.138, 104.897

■ 51, 47.490, 97.753

■ 56, 3.656, 285.940

■ 50, 51.564, 96.852

■ 57, 10.420,
286.887

■ 50, 54.209, 96.007

■ 58, 17.143,
287.807

■ 50, 55.444, 95.569

■ 58, 23.818,
288.689

■ 59, 30.442,
289.528

■ 60, 37.013,
290.326

Harmonies

Complementary

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



53, 23.473, 101.799



40, 24.996, 289.935

Rectangle

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



53, 23.473, 101.799



53, 23.473, 151.799



53, 23.473, 281.799



53, 23.473, 331.799

Sweetspot

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



53, 23.474, 101.803



70, 8.452, 104.342



42, 20.388, 13.452



36, 5.743, 104.221



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



53, 23.474, 101.803



67, 35.240, 100.927



53, 27.166, 123.167



28, 3.828, 104.453



49, 54.616, 95.586



1, 0.919, 105.385

Inverse Universe

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



40, 24.996, 289.935



48, 38.291, 291.433



40, 28.843, 306.872



26, 3.890, 286.374



15, 75.535, 304.259



0, 0.919, 285.387

Previews

White Background



This preview shows how the CIELCh color 53, 23.473, 101.799 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 53, 23.473, 101.799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

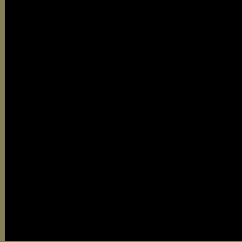
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

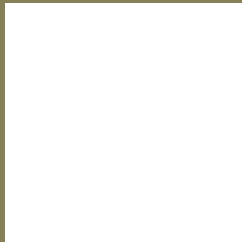
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 53, 23.473, 101.799

Background



This preview shows how black text looks on a background with the CIELCh color 53, 23.473, 101.799.



This preview shows how white text looks on a background with the CIELCh color 53, 23.473, 101.799.

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, 23.473, 101.799

Protanopia

53, 23.412, 95.148

Deuteranopia

53, 23.569, 72.737



Tritanopia
53, 8.621, 338.285

Trichromacy



Original Color
53, 23.473, 101.799

Protanomaly
53, 23.676, 98.546

Deuteranomaly
53, 22.329, 82.662

Tritanomaly
53, 6.790, 62.408

Monochromacy



Original Color
53, 23.473, 101.799

Achromatopsia
52, 0.007, 296.813

Achromatomaly
53, 8.681, 103.572

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 23.473, 101.799 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(133, 128, 87)` looks like.

```
.text, #text, p{  
    color:rgb(133, 128, 87)  
}
```

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(133, 128, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 128, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 23.473, 101.799 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(133, 128, 87) }
```

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

```
.border{ border-color:rgb(133, 128, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 128, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 128, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 128, 87);  
box-shadow:4px 4px 4px 4px rgb(133, 128,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 23.473, 101.799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 128, 87) }
```

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

```
.background{ background-color: rgb(133,  
128, 87) }
```

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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