

Converting Colors

CIELCh(52, 4.945, 18.965)

Have a look what the booklet for
CIELCh(52, 4.945, 18.965) contains.

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Color

CIELCh(52, 4.890, 19.872)

Conversions

Conversions Part 1

Format	Color
Hex	857979
RGB	133, 121, 121
RGB Percent	52%, 47%, 47%
CMY	0.4773, 0.5243, 0.5243
CMYK	0.00, 0.09, 0.09, 0.48
HSL	0°, 5%, 50%
HSV	0°, 9%, 52%
XYZ	20.0620, 20.1443, 21.0140
YIQ	124.5880, 7.1520, 2.5440

Conversions

Conversions Part 2

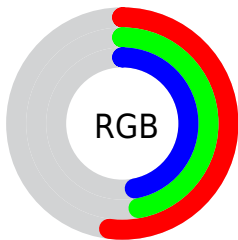
Format	Color
R_{YB}	133, 121, 121
Decimal	8747385
CIE Lab	52.00, 4.60, 1.66
CIE LCh	52, 4.890, 19.872
Yxy	20.1443, 0.3277, 0.3290
Android (android.graphics.Color)	4286937465 (0xFF857979)
YUV	124.5880, -1.7689, 7.3773
Hunter-Lab	44.8824, 1.2436, 3.6581

Details

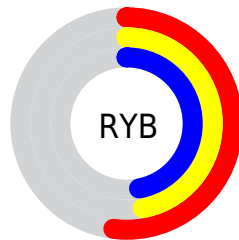
The CIELCh color $52, 4.890, 19.872$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $55, 4.629, 199.038$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 4.946, 19.729$, and $32, 4.468, 20.053$ is the 20% darker color. If you saturate the color by 10%, you get $48, 10.717, 20.693$, and if you desaturate by 10%, it is $56, 0.518, 200.167$.

Distribution



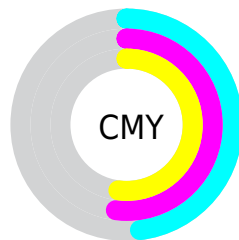
- Red (52%)
- Green (47%)
- Blue (47%)



- Red (52%)
- Yellow (47%)
- Blue (47%)



- Cyan (0%)
- Magenta (9%)
- Yellow (9%)
- Black (48%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 4.890, 19.872 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 52, 4.890, 19.872 by changing the saturation by 10% instead.

 52, 4.890, 19.872  52, 4.890, 19.872

 100, 4.890, 19.872  42, 4.890, 19.872

 72, 4.890, 19.872  32, 4.890, 19.872

 82, 4.890, 19.872  22, 4.890, 19.872

 92, 4.890, 19.872  12, 4.890, 19.872

 2, 4.890, 19.872

 0, 4.890, 19.872

 52, 4.890, 19.872  52, 4.890, 19.872

 48, 10.717, 20.693  56, 0.518, 200.167

 44, 16.973, 21.685  60, 5.531, 198.979

40, 23.636, 22.958

64, 10.184,
198.569

37, 30.633, 24.604

68, 14.517,
198.252

34, 37.833, 26.725

31, 45.043, 29.401

73, 18.567,
197.998

29, 51.994, 32.613

77, 22.366,
197.790

28, 58.251, 36.064

27, 62.947, 38.497

81, 25.948,
197.618

85, 29.338,
197.474

89, 32.560,
197.353

Harmonies

Complementary

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



52, 4.890, 19.872



55, 4.629, 199.038

Rectangle

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



52, 4.890, 19.872



52, 4.890, 69.872



52, 4.890, 199.872



52, 4.890, 249.872

Sweetspot

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



52, 4.889, 19.888



69, 1.974, 19.350



52, 8.456, 324.894



36, 1.494, 19.443



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



52, 4.889, 19.888



65, 7.465, 20.060



54, 4.218, 74.300



26, 3.049, 19.897



26, 62.116, 38.512



0, 0.707, 19.423

Inverse Universe

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



55, 4.629, 199.038



69, 6.970, 198.908



53, 4.135, 256.606



28, 2.885, 199.031



49, 30.400, 196.419



1, 0.707, 199.440

Previews

White Background



This preview shows how the CIELCh color 52, 4.890, 19.872 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 52, 4.890, 19.872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

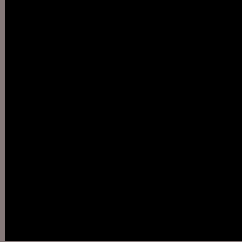
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 4.890, 19.872

Background



This preview shows how black text looks on a background with the CIELCh color 52, 4.890, 19.872.



This preview shows how white text looks on a background with the CIELCh color 52, 4.890, 19.872.

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


52, 4.890, 19.872

Protanopia

52, 1.608, 19.341

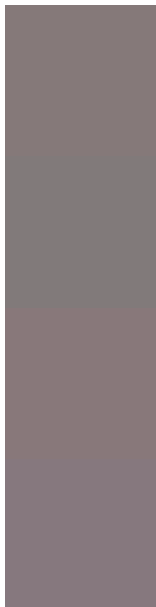
Deuteranopia

52, 7.037, 10.722



Tritanopia
52, 7.672, 337.388

Trichromacy



Original Color
52, 4.890, 19.872

Protanomaly
52, 2.829, 19.582

Deuteranomaly
52, 6.628, 10.077

Tritanomaly
52, 6.636, 348.540

Monochromacy



Original Color
52, 4.890, 19.872

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 1.605, 19.338

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 4.890, 19.872 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, 121, 121)` looks like.

```
.text, #text, p{  
    color:rgb(133, 121, 121)  
}
```

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, 121, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 121, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 4.890, 19.872 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, 121, 121) }
```

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

```
.border{ border-color:rgb(133, 121, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 121, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 121, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 121, 121);  
box-shadow:4px 4px 4px 4px rgb(133, 121,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 4.890, 19.872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 121, 121) }
```

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

```
.background{ background-color: rgb(133,  
121, 121) }
```

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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