

Converting Colors

CIELCh(53, 5.017, 16.713)

Have a look what the booklet for
CIELCh(53, 5.017, 16.713) contains.

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Color

CIELCh(53, 4.867, 19.858)

Conversions

Conversions Part 1

Format	Color
Hex	887C7C
RGB	136, 124, 124
RGB Percent	53%, 49%, 49%
CMY	0.4673, 0.5143, 0.5144
CMYK	0.00, 0.09, 0.09, 0.47
HSL	0°, 5%, 51%
HSV	0°, 9%, 53%
XYZ	20.9417, 21.0462, 21.9735
YIQ	127.5880, 7.1520, 2.5440

Conversions

Conversions Part 2

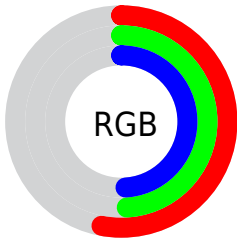
Format	Color
R_{YB}	136, 124, 124
Decimal	8944764
CIE _{Lab}	53.00, 4.58, 1.65
CIE _{LCh}	53, 4.867, 19.858
Yxy	21.0462, 0.3274, 0.3290
Android (android.graphics.Color)	4287134844 (0xFF887C7C)
YUV	127.5880, -1.7689, 7.3773
Hunter-Lab	45.8761, 1.1992, 3.7148

Details

The CIELCh color $53, 4.867, 19.858$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $56, 4.612, 199.046$, and the grayscale version is $53, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 4.579, 26.446$, and $33, 4.899, 20.112$ is the 20% darker color. If you saturate the color by 10%, you get $49, 10.778, 20.679$, and if you desaturate by 10%, it is $57, 0.618, 200.037$.

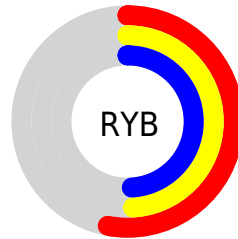
Distribution



Red (53%)

Green (49%)

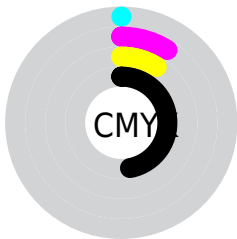
Blue (49%)



Red (53%)

Yellow (49%)

Blue (49%)

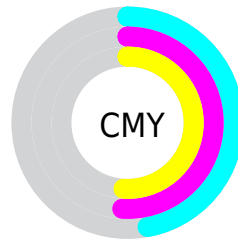


Cyan (0%)

Magenta (9%)

Yellow (9%)

Black (47%)



Cyan (47%)

Magenta (51%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 4.867, 19.858 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, 4.867, 19.858 by changing the saturation by 10% instead.

■ 53, 4.867, 19.858 ■ 53, 4.867, 19.858

■ 100, 4.867, 19.858 ■ 43, 4.867, 19.858

■ 73, 4.867, 19.858 ■ 33, 4.867, 19.858

■ 83, 4.867, 19.858 ■ 23, 4.867, 19.858

■ 93, 4.867, 19.858 ■ 13, 4.867, 19.858

■ 3, 4.867, 19.858

■ 0, 4.867, 19.858

■ 53, 4.867, 19.858 ■ 53, 4.867, 19.858

■ 49, 10.778, 20.679 ■ 57, 0.618, 200.037

■ 45, 17.126, 21.670 ■ 61, 5.702, 198.968

41, 23.888, 22.941

66, 10.421,
198.559

38, 30.991, 24.587

70, 14.815,
198.244

35, 38.303, 26.708

32, 45.626, 29.385

74, 18.921,
197.991

30, 52.687, 32.601

78, 22.774,
197.783

28, 59.044, 36.059

27, 63.855, 38.590

82, 26.405,
197.612

87, 29.843,
197.469

91, 33.110,
197.348

Harmonies

Complementary

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



53, 4.867, 19.858



56, 4.612, 199.046

Rectangle

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



53, 4.867, 19.858



53, 4.867, 69.858



53, 4.867, 199.858



53, 4.867, 249.858

Sweetspot

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



53, 4.866, 19.875



70, 1.998, 19.349



53, 8.420, 324.886



37, 1.531, 19.443



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



53, 4.866, 19.875



66, 7.555, 20.059



55, 4.199, 74.318



27, 3.148, 19.900



27, 63.126, 38.662



0, 1.414, 19.422

Inverse Universe

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



56, 4.612, 199.046



70, 7.053, 198.905



54, 4.119, 256.586



29, 2.977, 199.026



50, 30.830, 196.416



1, 1.414, 199.438

Previews

White Background



This preview shows how the CIELCh color 53, 4.867, 19.858 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, 4.867, 19.858 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

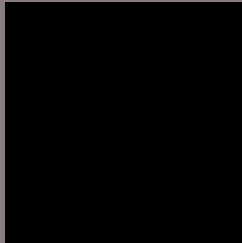
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 4.867, 19.858

Background



This preview shows how black text looks on a background with the CIELCh color 53, 4.867, 19.858.



This preview shows how white text looks on a background with the CIELCh color 53, 4.867, 19.858.

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, 4.867, 19.858

Protanopia

53, 1.325, 44.999

Deuteranopia

53, 7.424, 11.286



Tritanopia
53, 7.640, 337.372

Trichromacy



Original Color
53, 4.867, 19.858

Protanomaly
53, 2.411, 19.505

Deuteranomaly
53, 6.126, 14.640

Tritanomaly
53, 6.608, 348.521

Monochromacy



Original Color
53, 4.867, 19.858

Achromatopsia
53, 0.007, 296.813

Achromatomaly
53, 1.601, 19.332

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 53, 4.867, 19.858 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(136, 124, 124)` looks like.

```
.text, #text, p{  
    color:rgb(136, 124, 124)  
}
```

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(136, 124, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 124, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 4.867, 19.858 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(136, 124, 124) }
```

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

```
.border{ border-color:rgb(136, 124, 124) }
```

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

Here you see how a box with a 4 pixel rgb(136, 124, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 124, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 124, 124);  
box-shadow:4px 4px 4px 4px rgb(136, 124,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 4.867, 19.858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 124, 124) }
```

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

```
.background{ background-color: rgb(136,  
124, 124) }
```

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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