

Converting Colors

CIELCh(53, 16.819, 108.050)

Have a look what the booklet for
CIELCh(53, 16.819, 108.050)
contains.

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Color

CIELCh(53, 16.617, 108.074)

Conversions

Conversions Part 1

Format	Color
Hex	808063
RGB	128, 128, 99
RGB Percent	50%, 50%, 39%
CMY	0.4967, 0.4967, 0.6105
CMYK	0.00, 0.00, 0.23, 0.50
HSL	60°, 13%, 45%
HSV	60°, 23%, 50%
XYZ	18.9815, 21.0462, 14.9455
YIQ	124.6940, 9.3090, -9.0190

Conversions

Conversions Part 2

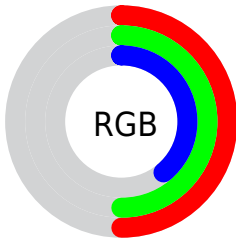
Format	Color
RYB	99, 128, 99
Decimal	8421475
CIELab	53.00, -5.16, 15.80
CIELCh	53, 16.617, 108.074
Yxy	21.0462, 0.3453, 0.3828
Android (android.graphics.Color)	4286611555 (0xFF808063)
YUV	124.6940, -12.6671, 2.8994
Hunter-Lab	45.8761, -6.4280, 12.7978

Details

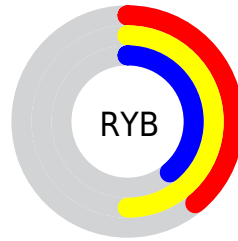
The CIELCh color **53, 16.617, 108.074** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **43, 17.480, 292.668**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 16.703, 108.541**, and **33, 16.753, 108.826** is the 20% darker color. If you saturate the color by 10%, you get **53, 23.829, 107.153**, and if you desaturate by 10%, it is **53, 9.298, 109.009**.

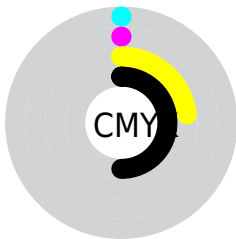
Distribution



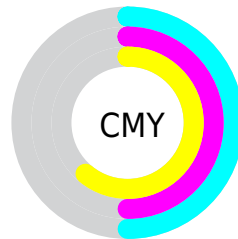
- Red (50%)
- Green (50%)
- Blue (39%)



- Red (39%)
- Yellow (50%)
- Blue (39%)



- Cyan (0%)
- Magenta (0%)
- Yellow (23%)
- Black (50%)





- Cyan (50%)
- Magenta (50%)
- Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 16.617, 108.074 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, 16.617, 108.074 by changing the saturation by 10% instead.


 53, 16.617,
108.074


 53, 16.617,
108.074


 100, 16.617,
108.074


 43, 16.617,
108.074


 73, 16.617,
108.074


 33, 16.617,
108.074


 83, 16.617,
108.074

 23, 16.617,
108.074

 93, 16.617,
108.074

 13, 16.617,
108.074

 3, 16.617, 108.074

 0, 16.617, 108.074

■ 53, 16.617,
108.074

■ 53, 16.617,
108.074

■ 53, 23.829,
107.153

■ 53, 9.298, 109.009

■ 54, 1.922, 109.916

■ 53, 30.848,
106.252

■ 54, 5.473, 290.857

■ 52, 37.550,
105.397

■ 54, 12.865,
291.734

■ 52, 43.748,
104.616

■ 55, 20.236,
292.584

■ 52, 49.183,
103.943

■ 55, 27.573,
293.398

■ 52, 53.534,
103.414

■ 56, 34.867,
294.174

■ 52, 56.504,
103.059

■ 56, 42.111,
294.910

■ 52, 58.242,

102.853

■ 57, 49.298,
295.605

Harmonies

Complementary

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



53, 16.617, 108.074



43, 17.480, 292.668

Rectangle

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



53, 16.617, 108.074



53, 16.617, 158.074



53, 16.617, 288.074



53, 16.617, 338.074

Sweetspot

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



53, 16.618, 108.078



68, 6.366, 109.512



45, 12.525, 20.999



36, 4.169, 109.471



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



53, 16.618, 108.078



67, 24.400, 107.614



52, 17.793, 128.077



27, 4.136, 109.334



52, 57.970, 102.853



0, 0.000, 0.000

Inverse Universe

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



43, 17.480, 292.668



52, 25.993, 293.349



44, 18.331, 310.091



24, 4.222, 291.079



13, 80.046, 306.287



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 53, 16.617, 108.074 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, 16.617, 108.074 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

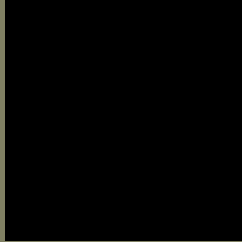
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

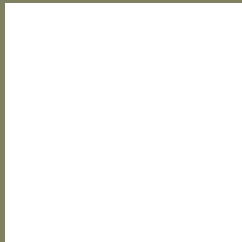
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 53, 16.617, 108.074

Background



This preview shows how black text looks on a background with the CIELCh color 53, 16.617, 108.074.



This preview shows how white text looks on a background with the CIELCh color 53, 16.617, 108.074.

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

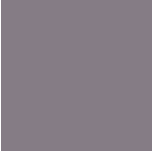
53, 16.617, 108.074

Protanopia

53, 16.560, 94.486

Deuteranopia

53, 16.326, 64.664



Tritanopia
53, 6.333, 324.769

Trichromacy



Original Color
53, 16.617, 108.074

Protanomaly
53, 16.836, 99.193

Deuteranomaly
53, 15.525, 81.804

Tritanomaly
53, 3.513, 74.452

Monochromacy



Original Color
53, 16.617, 108.074

Achromatopsia
52, 0.007, 296.813

Achromatomaly
53, 5.768, 109.441

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 16.617, 108.074 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(128, 128, 99)` looks like.

```
.text, #text, p{  
    color:rgb(128, 128, 99)  
}
```

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(128, 128, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 128, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 16.617, 108.074 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(128, 128, 99) }
```

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

```
.border{ border-color:rgb(128, 128, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 128, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 128, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 128, 99);  
box-shadow:4px 4px 4px 4px rgb(128, 128,  
99) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 16.617, 108.074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 128, 99) }
```

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

```
.background{ background-color: rgb(128,  
128, 99) }
```

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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