

Converting Colors

CIELCh(50, 21.474, 16.726)

Have a look what the booklet for
CIELCh(50, 21.474, 16.726) contains.

CIELCh(50, 21.433, 17.505)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(50, 21.433, 17.505)

Conversions

Conversions Part 1

Format	Color
Hex	9C6A6D
RGB	156, 106, 109
RGB Percent	61%, 42%, 43%
CMY	0.3890, 0.5850, 0.5733
CMYK	0.00, 0.32, 0.30, 0.39
HSL	356°, 20%, 51%
HSV	356°, 32%, 61%
XYZ	21.5576, 18.4187, 16.8357
YIQ	121.2920, 28.8370, 11.5330

Conversions

Conversions Part 2

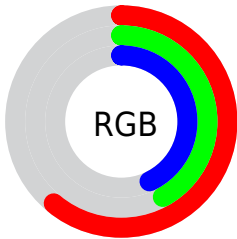
Format	Color
R_{YB}	156, 106, 109
Decimal	10250861
CIE Lab	50.00, 20.44, 6.45
CIE LCh	50, 21.433, 17.505
Yxy	18.4187, 0.3795, 0.3242
Android (android.graphics.Color)	4288440941 (0xFF9C6A6D)
YUV	121.2920, -6.0600, 30.4389
Hunter-Lab	42.9170, 14.5575, 6.7833

Details

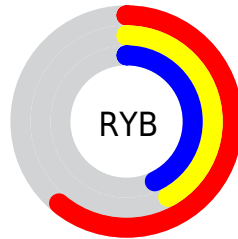
The CIELCh color **50, 21.433, 17.505** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **61, 17.709, 192.310**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 21.473, 18.525**, and **30, 21.313, 16.833** is the 20% darker color. If you saturate the color by 10%, you get **46, 28.944, 19.044**, and if you desaturate by 10%, it is **54, 14.279, 16.292**.

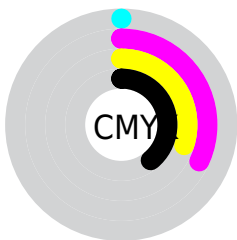
Distribution



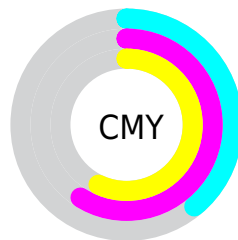
- Red (61%)
- Green (42%)
- Blue (43%)



- Red (61%)
- Yellow (42%)
- Blue (43%)



- Cyan (0%)
- Magenta (32%)
- Yellow (30%)
- Black (39%)



- Cyan (39%)
- Magenta (59%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 21.433, 17.505 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 50, 21.433, 17.505 by changing the saturation by 10% instead.

■ 50, 21.433, 17.505

■ 50, 21.433, 17.505

■ 100, 21.433,
17.505

■ 40, 21.433, 17.505

■ 70, 21.433, 17.505

■ 30, 21.433, 17.505

■ 80, 21.433, 17.505

■ 20, 21.433, 17.505

■ 90, 21.433, 17.505

■ 10, 21.433, 17.505

■ 0, 21.433, 17.505

■ 50, 21.433, 17.505

■ 50, 21.433, 17.505

■ 46, 28.944, 19.044

■ 54, 14.279, 16.292

■ 42, 36.693, 20.998

■ 59, 7.549, 15.298

■ 39, 44.489, 23.488

■ 63, 1.256, 14.216

36, 52.086, 26.612

68, 4.611, 194.029

34, 59.214, 30.362

73, 10.083,
193.439

33, 65.522, 34.450

77, 15.195,
192.969

32, 69.717, 37.147

82, 19.985,
192.572

87, 24.490,
192.230

91, 28.743,
191.932

Harmonies

Complementary

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



50, 21.433, 17.505



61, 17.709, 192.310

Rectangle

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



50, 21.433, 17.505



50, 21.433, 67.505



50, 21.433, 197.505



50, 21.433, 247.505

Sweetspot

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



50, 21.431, 17.509



75, 7.654, 15.126



51, 33.705, 324.205



39, 5.287, 15.245



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



50, 21.431, 17.509



61, 31.926, 18.488



55, 17.593, 64.407



31, 3.541, 15.042



29, 65.073, 36.730



1, 4.493, 14.680

Inverse Universe

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



50, 21.431, 17.509



61, 31.926, 18.488



55, 15.533, 252.547



31, 3.541, 15.042



29, 65.073, 36.730



1, 4.493, 14.680

Previews

White Background



This preview shows how the CIELCh color 50, 21.433, 17.505 looks on a white background.

Color Contrast Check

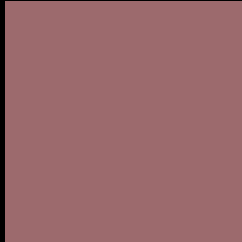
Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 21.433, 17.505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

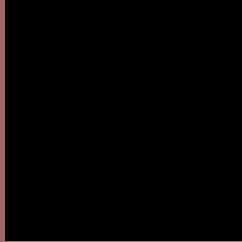
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 21.433, 17.505

Background



This preview shows how black text looks on a background with the CIELCh color 50, 21.433, 17.505.



This preview shows how white text looks on a background with the CIELCh color 50, 21.433, 17.505.

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

50, 21.433, 17.505

Protanopia

50, 2.120, 74.731

Deuteranopia

50, 9.738, 48.640



Tritanopia
50, 21.939, 10.160

Trichromacy



Original Color
50, 21.433, 17.505

Protanomaly
50, 8.372, 24.297

Deuteranomaly
50, 13.483, 30.746

Tritanomaly
50, 21.877, 13.164

Monochromacy



Original Color
50, 21.433, 17.505

Achromatopsia
51, 0.007, 296.813

Achromatomaly
50, 7.923, 11.874

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 21.433, 17.505 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(156, 106, 109)` looks like.

```
.text, #text, p{  
    color:rgb(156, 106, 109)  
}
```

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(156, 106, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 106, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 21.433, 17.505 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(156, 106, 109) }
```

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

```
.border{ border-color:rgb(156, 106, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 106, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 106, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 106, 109);  
box-shadow:4px 4px 4px 4px rgb(156, 106,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 21.433, 17.505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 106, 109) }
```

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

```
.background{ background-color: rgb(156,  
106, 109) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor