

Converting Colors

CIELCh(49, 15.193, 21.612)

Have a look what the booklet for
CIELCh(49, 15.193, 21.612) contains.

CIELCh(49, 14.931, 21.205)	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(49, 14.931, 21.205)

Conversions

Conversions Part 1

Format	Color
Hex	8F6C6C
RGB	143, 108, 108
RGB Percent	56%, 42%, 42%
CMY	0.4399, 0.5771, 0.5771
CMYK	0.00, 0.24, 0.24, 0.44
HSL	0°, 14%, 49%
HSV	0°, 24%, 56%
XYZ	19.3411, 17.5941, 16.5187
YIQ	118.4650, 20.8600, 7.4200

Conversions

Conversions Part 2

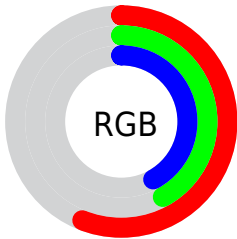
Format	Color
R_{YB}	143, 108, 108
Decimal	9399404
CIE _{Lab}	49.00, 13.92, 5.40
CIE _{LCh}	49, 14.931, 21.205
Yxy	17.5941, 0.3618, 0.3291
Android (android.graphics.Color)	4287589484 (0xFF8F6C6C)
YUV	118.4650, -5.1592, 21.5172
Hunter-Lab	41.9453, 8.9025, 6.0123

Details

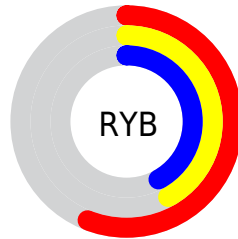
The CIELCh color **49, 14.931, 21.205** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **57, 12.740, 198.216**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 14.636, 22.827**, and **29, 15.162, 19.817** is the 20% darker color. If you saturate the color by 10%, you get **45, 21.800, 22.360**, and if you desaturate by 10%, it is **53, 8.507, 20.309**.

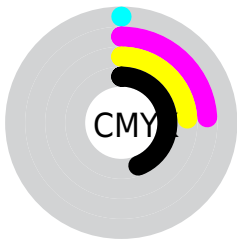
Distribution



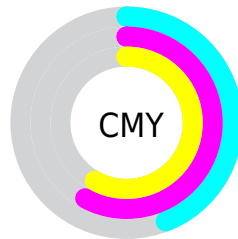
- Red (56%)
- Green (42%)
- Blue (42%)



- Red (56%)
- Yellow (42%)
- Blue (42%)



- Cyan (0%)
- Magenta (24%)
- Yellow (24%)
- Black (44%)



- Cyan (44%)
- Magenta (58%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 14.931, 21.205 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 49, 14.931, 21.205 by changing the saturation by 10% instead.

■ 49, 14.931, 21.205

■ 49, 14.931, 21.205

■ 100, 14.931,
21.205

■ 39, 14.931, 21.205

■ 69, 14.931, 21.205

■ 29, 14.931, 21.205

■ 79, 14.931, 21.205

■ 19, 14.931, 21.205

■ 89, 14.931, 21.205

■ 9, 14.931, 21.205

■ 99, 14.931, 21.205

■ 0, 14.931, 21.205

■ 49, 14.931, 21.205

■ 49, 14.931, 21.205

■ 45, 21.800, 22.360

■ 53, 8.507, 20.309

■ 41, 29.067, 23.845

■ 57, 2.540, 19.504

38, 36.618, 25.769

62, 2.990, 199.279

35, 44.272, 28.227

66, 8.116, 198.760

32, 51.779, 31.256

70, 12.879,
198.396

31, 58.770, 34.701

75, 17.318,
198.110

29, 64.454, 37.852

29, 67.101, 39.163

79, 21.474,
197.877

84, 25.380,
197.686

88, 29.067,
197.527

Harmonies

Complementary

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



49, 14.931, 21.205



57, 12.740, 198.216

Rectangle

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



49, 14.931, 21.205



49, 14.931, 71.205



49, 14.931, 201.205



49, 14.931, 251.205

Sweetspot

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



49, 14.930, 21.211



72, 4.957, 19.734



50, 24.444, 325.732



38, 3.253, 19.774



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



49, 14.930, 21.211



60, 22.356, 21.763



54, 12.580, 72.468



28, 3.246, 19.892



27, 64.131, 38.799



0, 2.121, 19.409

Inverse Universe

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



57, 12.740, 198.216



72, 18.385, 197.986



52, 11.801, 258.954



30, 3.069, 199.010



51, 31.265, 196.394



2, 2.121, 199.426

Previews

White Background



This preview shows how the CIELCh color 49, 14.931, 21.205 looks on a white 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

Black Background



This preview shows how the CIE LCh color 49, 14.931, 21.205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

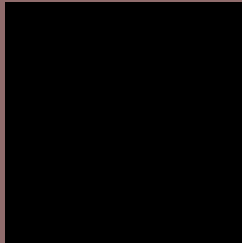
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 14.931, 21.205

Background



This preview shows how black text looks on a background with the CIELCh color 49, 14.931, 21.205.



This preview shows how white text looks on a background with the CIELCh color 49, 14.931, 21.205.

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

49, 14.931, 21.205

Protanopia

49, 2.848, 74.561

Deuteranopia

49, 8.810, 43.540



Tritanopia
49, 16.081, 4.678

Trichromacy



Original Color
49, 14.931, 21.205

Protanomaly
49, 6.518, 35.611

Deuteranomaly
49, 10.923, 32.854

Tritanomaly
49, 15.822, 10.845

Monochromacy



Original Color
49, 14.931, 21.205

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 5.365, 19.961

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 14.931, 21.205 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(143, 108, 108)` looks like.

```
.text, #text, p{  
    color:rgb(143, 108, 108)  
}
```

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(143, 108, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 108, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 14.931, 21.205 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(143, 108, 108) }
```

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

```
.border{ border-color:rgb(143, 108, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 108, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 108, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 108, 108);  
box-shadow:4px 4px 4px 4px rgb(143, 108,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 14.931, 21.205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 108, 108) }
```

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

```
.background{ background-color: rgb(143,  
108, 108) }
```

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