

Converting Colors

CIELCh(49, 19.427, 22.296)

Have a look what the booklet for
CIELCh(49, 19.427, 22.296) contains.

CIELCh(49, 19.430, 21.818)	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, 19.430, 21.818)

Conversions

Conversions Part 1

Format	Color
Hex	966969
RGB	150, 105, 105
RGB Percent	59%, 41%, 41%
CMY	0.4119, 0.5884, 0.5884
CMYK	0.00, 0.30, 0.30, 0.41
HSL	0°, 18%, 50%
HSV	0°, 30%, 59%
XYZ	20.1650, 17.5941, 15.6872
YIQ	118.4550, 26.8200, 9.5400

Conversions

Conversions Part 2

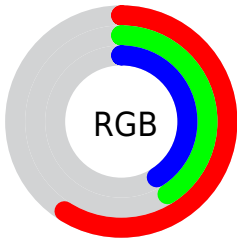
Format	Color
R_{YB}	150, 105, 105
Decimal	9857385
CIE _{Lab}	49.00, 18.04, 7.22
CIE _{LCh}	49, 19.430, 21.818
Yxy	17.5941, 0.3773, 0.3292
Android (android.graphics.Color)	4288047465 (0xFF966969)
YUV	118.4550, -6.6333, 27.6650
Hunter-Lab	41.9453, 12.4087, 7.1877

Details

The CIELCh color **49, 19.430, 21.818** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **59, 15.916, 197.965**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 19.188, 22.773**, and **29, 19.675, 21.348** is the 20% darker color. If you saturate the color by 10%, you get **45, 26.822, 23.156**, and if you desaturate by 10%, it is **53, 12.479, 20.789**.

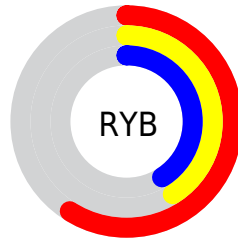
Distribution



Red (59%)

Green (41%)

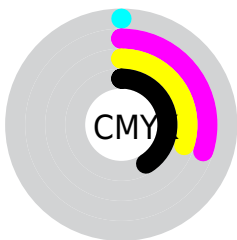
Blue (41%)



Red (59%)

Yellow (41%)

Blue (41%)

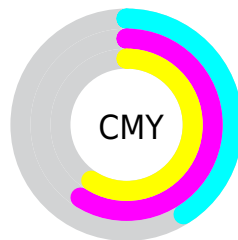


Cyan (0%)

Magenta (30%)

Yellow (30%)

Black (41%)



Cyan (41%)

Magenta (59%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 19.430, 21.818 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, 19.430, 21.818 by changing the saturation by 10% instead.

■ 49, 19.430, 21.818

■ 49, 19.430, 21.818

■ 100, 19.430,
21.818

■ 39, 19.430, 21.818

■ 69, 19.430, 21.818

■ 29, 19.430, 21.818

■ 79, 19.430, 21.818

■ 19, 19.430, 21.818

■ 89, 19.430, 21.818

■ 9, 19.430, 21.818

■ 99, 19.430, 21.818

■ 0, 19.430, 21.818

■ 49, 19.430, 21.818

■ 49, 19.430, 21.818

■ 45, 26.822, 23.156

■ 53, 12.479, 20.789

■ 41, 34.571, 24.886

■ 58, 6.006, 19.960

38, 42.518, 27.116

62, 0.009, 317.324

35, 50.431, 29.920

67, 5.556, 199.009

33, 57.991, 33.246

71, 10.713,
198.582

31, 64.642, 36.706

76, 15.509,
198.257

31, 69.797, 39.431

80, 19.987,
197.996

85, 24.185,
197.783

89, 28.139,
197.608

Harmonies

Complementary

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



49, 19.430, 21.818



59, 15.916, 197.965

Rectangle

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



49, 19.430, 21.818



49, 19.430, 71.818



49, 19.430, 201.818



49, 19.430, 251.818

Sweetspot

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



49, 19.428, 21.823



73, 6.638, 19.896



50, 31.116, 326.024



38, 4.623, 19.999



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



49, 19.428, 21.823



59, 29.421, 22.678



55, 16.245, 71.784



29, 3.343, 19.897



28, 65.125, 38.930



1, 2.828, 19.410

Inverse Universe

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



59, 15.916, 197.965



74, 22.914, 197.687



52, 14.987, 259.983



31, 3.159, 199.007



52, 31.692, 196.395



2, 2.828, 199.427

Previews

White Background



This preview shows how the CIELCh color 49, 19.430, 21.818 looks on a white background.

Color Contrast Check

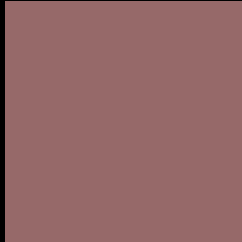
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 49, 19.430, 21.818 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, 19.430, 21.818

Background



This preview shows how black text looks on a background with the CIELCh color 49, 19.430, 21.818.



This preview shows how white text looks on a background with the CIELCh color 49, 19.430, 21.818.

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, 19.430, 21.818

Protanopia

49, 3.346, 80.223

Deuteranopia

49, 10.182, 47.477



Tritanopia
49, 20.298, 8.902

Trichromacy



Original Color
49, 19.430, 21.818

Protanomaly
49, 8.199, 32.565

Deuteranomaly
49, 13.291, 33.462

Tritanomaly
49, 20.185, 13.796

Monochromacy



Original Color
49, 19.430, 21.818

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 7.063, 20.182

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 19.430, 21.818 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(150, 105, 105)` looks like.

```
.text, #text, p{  
    color:rgb(150, 105, 105)  
}
```

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(150, 105, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 105, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 19.430, 21.818 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(150, 105, 105) }
```

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

```
.border{ border-color:rgb(150, 105, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 105, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 105, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 105, 105);  
box-shadow:4px 4px 4px 4px rgb(150, 105,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 19.430, 21.818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 105, 105) }
```

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

```
.background{ background-color: rgb(150,  
105, 105) }
```

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