

Converting Colors

CIELCh(49, 22.210, 22.223)

Have a look what the booklet for
CIELCh(49, 22.210, 22.223) contains.

CIELCh(49, 22.168, 22.207)	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, 22.168, 22.207)

Conversions

Conversions Part 1

Format	Color
Hex	9A6767
RGB	154, 103, 103
RGB Percent	60%, 40%, 40%
CMY	0.3955, 0.5955, 0.5956
CMYK	0.00, 0.33, 0.33, 0.40
HSL	0°, 20%, 50%
HSV	0°, 33%, 60%
XYZ	20.6734, 17.5941, 15.1735
YIQ	118.2490, 30.3960, 10.8120

Conversions

Conversions Part 2

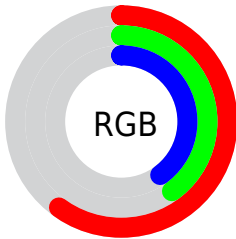
Format	Color
RYB	154, 103, 103
Decimal	10119015
CIELab	49.00, 20.52, 8.38
CIELCh	49, 22.168, 22.207
Yxy	17.5941, 0.3868, 0.3292
Android (android.graphics.Color)	4288309095 (0xFF9A6767)
YUV	118.2490, -7.5178, 31.3536
Hunter-Lab	41.9453, 14.5723, 7.9138

Details

The CIELCh color **49, 22.168, 22.207** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **60, 17.735, 197.834**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 22.122, 22.856**, and **29, 22.219, 22.153** is the 20% darker color. If you saturate the color by 10%, you get **45, 29.856, 23.663**, and if you desaturate by 10%, it is **53, 14.910, 21.091**.

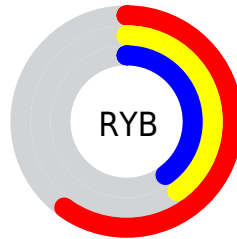
Distribution



Red (60%)

Green (40%)

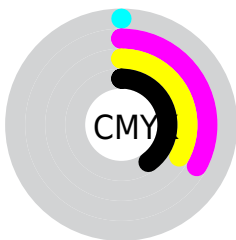
Blue (40%)



Red (60%)

Yellow (40%)

Blue (40%)

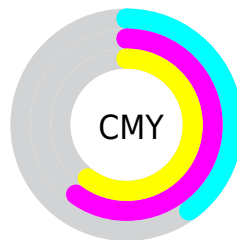


Cyan (0%)

Magenta (33%)

Yellow (33%)

Black (40%)



Cyan (40%)

Magenta (60%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 22.168, 22.207 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, 22.168, 22.207 by changing the saturation by 10% instead.

■ 49, 22.168, 22.207

■ 49, 22.168, 22.207

■ 100, 22.168,
22.207

■ 39, 22.168, 22.207

■ 69, 22.168, 22.207

■ 29, 22.168, 22.207

■ 79, 22.168, 22.207

■ 19, 22.168, 22.207

■ 89, 22.168, 22.207

■ 9, 22.168, 22.207

■ 99, 22.168, 22.207

■ 0, 22.168, 22.207

■ 49, 22.168, 22.207

■ 49, 22.168, 22.207

■ 45, 29.856, 23.663

■ 53, 14.910, 21.091

■ 41, 37.868, 25.546

■ 58, 8.136, 20.207

38, 46.014, 27.961

62, 1.851, 19.350

35, 54.032, 30.958

67, 3.971, 199.185

33, 61.545, 34.403

71, 9.367, 198.703

32, 67.815, 37.727

76, 14.380,
198.351

32, 71.353, 39.561

81, 19.053,
198.073

86, 23.429,
197.847

90, 27.543,
197.661

Harmonies

Complementary

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



49, 22.168, 22.207



60, 17.735, 197.834

Rectangle

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



49, 22.168, 22.207



49, 22.168, 72.207



49, 22.168, 202.207



49, 22.168, 252.207

Sweetspot

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



49, 22.166, 22.212



75, 7.642, 19.980



51, 35.044, 326.186



39, 5.282, 20.082



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



49, 22.166, 22.212



59, 34.211, 23.295



56, 18.461, 71.396



30, 3.439, 19.904



28, 66.111, 39.051



1, 3.595, 19.413

Inverse Universe

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



60, 17.735, 197.834



76, 25.794, 197.531



53, 16.869, 260.608



32, 3.249, 199.008



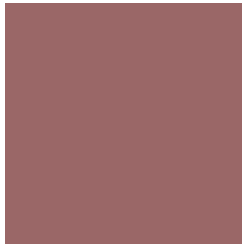
53, 32.115, 196.402



3, 3.595, 199.431

Previews

White Background



This preview shows how the CIELCh color 49, 22.168, 22.207 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, 22.168, 22.207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

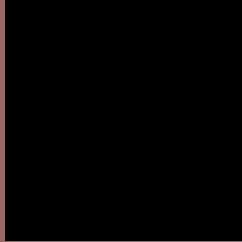
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 22.168, 22.207

Background



This preview shows how black text looks on a background with the CIELCh color 49, 22.168, 22.207.



This preview shows how white text looks on a background with the CIELCh color 49, 22.168, 22.207.

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, 22.168, 22.207

Protanopia

49, 3.869, 84.366

Deuteranopia

49, 11.554, 53.867



Tritanopia
49, 22.890, 10.834

Trichromacy



Original Color
49, 22.168, 22.207

Protanomaly
49, 9.062, 31.493

Deuteranomaly
49, 14.549, 37.116

Tritanomaly
49, 22.847, 13.724

Monochromacy



Original Color
49, 22.168, 22.207

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 7.488, 20.235

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 22.168, 22.207 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(154, 103, 103)` looks like.

```
.text, #text, p{  
    color:rgb(154, 103, 103)  
}
```

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(154, 103, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 103, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 22.168, 22.207 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(154, 103, 103) }
```

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

```
.border{ border-color:rgb(154, 103, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 103, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 103, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 103, 103);  
box-shadow:4px 4px 4px 4px rgb(154, 103,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 22.168, 22.207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 103, 103) }
```

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

```
.background{ background-color: rgb(154,  
103, 103) }
```

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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