

Converting Colors

CIELCh(49, 21.584, 11.468)

Have a look what the booklet for
CIELCh(49, 21.584, 11.468) contains.

CIELCh(49, 21.548, 11.440)	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, 21.548, 11.440)

Conversions

Conversions Part 1

Format	Color
Hex	99676E
RGB	153, 103, 110
RGB Percent	60%, 40%, 43%
CMY	0.4001, 0.5961, 0.5687
CMYK	0.00, 0.33, 0.28, 0.40
HSL	352°, 20%, 50%
HSV	352°, 33%, 60%
XYZ	20.7966, 17.5941, 17.0478
YIQ	118.7480, 27.5530, 12.7770

Conversions

Conversions Part 2

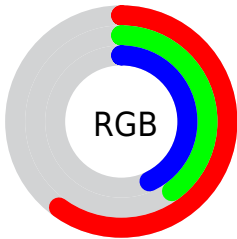
Format	Color
R _Y B	153, 103, 110
Decimal	10053486
CIE Lab	49.00, 21.12, 4.27
CIE LCh	49, 21.548, 11.440
Yxy	17.5941, 0.3751, 0.3174
Android (android.graphics.Color)	4288243566 (0xFF99676E)
YUV	118.7480, -4.3128, 30.0390
Hunter-Lab	41.9453, 15.0967, 5.2646

Details

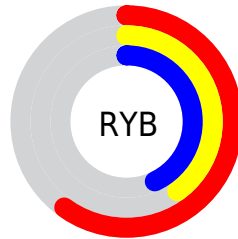
The CIELCh color **49, 21.548, 11.440** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **60, 18.372, 185.217**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 21.156, 12.604**, and **29, 21.432, 10.271** is the 20% darker color. If you saturate the color by 10%, you get **45, 28.763, 13.076**, and if you desaturate by 10%, it is **53, 14.568, 10.117**.

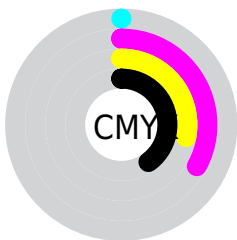
Distribution



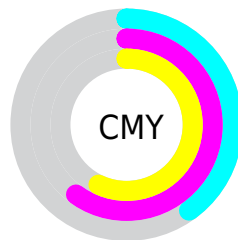
- Red (60%)
- Green (40%)
- Blue (43%)



- Red (60%)
- Yellow (40%)
- Blue (43%)



- Cyan (0%)
- Magenta (33%)
- Yellow (28%)
- Black (40%)



- Cyan (40%)
- Magenta (60%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 21.548, 11.440 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, 21.548, 11.440 by changing the saturation by 10% instead.

■ 49, 21.548, 11.440

■ 49, 21.548, 11.440

■ 100, 21.548,
11.440

■ 39, 21.548, 11.440

■ 69, 21.548, 11.440

■ 29, 21.548, 11.440

■ 79, 21.548, 11.440

■ 19, 21.548, 11.440

■ 89, 21.548, 11.440

■ 9, 21.548, 11.440

■ 99, 21.548, 11.440

■ 0, 21.548, 11.440

■ 49, 21.548, 11.440

■ 49, 21.548, 11.440

■ 45, 28.763, 13.076

■ 53, 14.568, 10.117

■ 41, 36.069, 15.118

■ 58, 7.915, 9.009

38, 43.251, 17.695

62, 1.625, 7.891

35, 50.059, 20.938

67, 4.297, 187.486

33, 56.272, 24.921

71, 9.867, 186.764

32, 61.754, 29.543

76, 15.109,
186.168

31, 65.499, 32.794

80, 20.054,
185.648

85, 24.730,
185.187

89, 29.168,
184.773

Harmonies

Complementary

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



49, 21.548, 11.440



60, 18.372, 185.217

Rectangle

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



49, 21.548, 11.440



49, 21.548, 61.440



49, 21.548, 191.440



49, 21.548, 241.440

Sweetspot

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



49, 21.546, 11.444



75, 7.675, 8.755



50, 33.147, 321.746



38, 5.242, 8.886



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



49, 21.546, 11.444



59, 32.362, 12.564



53, 17.577, 55.168



30, 3.493, 8.657



29, 61.211, 32.374



1, 3.676, 8.118

Inverse Universe

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



49, 21.546, 11.444



59, 32.362, 12.564



55, 14.801, 241.721



30, 3.493, 8.657



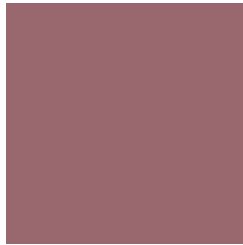
29, 61.211, 32.374



1, 3.676, 8.118

Previews

White Background



This preview shows how the CIELCh color 49, 21.548, 11.440 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, 21.548, 11.440 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, 21.548, 11.440

Background



This preview shows how black text looks on a background with the CIELCh color 49, 21.548, 11.440.



This preview shows how white text looks on a background with the CIELCh color 49, 21.548, 11.440.

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, 21.548, 11.440

Protanopia

49, 1.356, 353.675

Deuteranopia

49, 8.160, 41.063



Tritanopia
49, 21.590, 9.911

Trichromacy



Original Color
49, 21.548, 11.440

Protanomaly
49, 8.471, 8.475

Deuteranomaly
49, 12.723, 20.918

Tritanomaly
49, 21.590, 9.911

Monochromacy



Original Color
49, 21.548, 11.440

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 7.624, 7.024

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 21.548, 11.440 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(153, 103, 110)` looks like.

```
.text, #text, p{  
    color:rgb(153, 103, 110)  
}
```

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(153, 103, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 103, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 21.548, 11.440 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(153, 103, 110) }
```

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

```
.border{ border-color:rgb(153, 103, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 103, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 103, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 103, 110);  
box-shadow:4px 4px 4px 4px rgb(153, 103,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 21.548, 11.440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 103, 110) }
```

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

```
.background{ background-color: rgb(153,  
103, 110) }
```

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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