

Converting Colors

CIELCh(49, 19.482, 12.196)

Have a look what the booklet for
CIELCh(49, 19.482, 12.196) contains.

CIELCh(49, 19.779, 11.879)	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, 19.779, 11.879)

Conversions

Conversions Part 1

Format	Color
Hex	96686E
RGB	150, 104, 110
RGB Percent	59%, 41%, 43%
CMY	0.4107, 0.5911, 0.5676
CMYK	0.00, 0.31, 0.27, 0.41
HSL	352°, 18%, 50%
HSV	352°, 31%, 59%
XYZ	20.4334, 17.5941, 17.1440
YIQ	118.4380, 25.4900, 11.6180

Conversions

Conversions Part 2

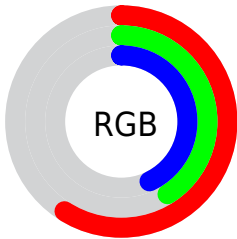
Format	Color
R_{YB}	150, 104, 110
Decimal	9857134
CIE _{Lab}	49.00, 19.36, 4.07
CIE _{LCh}	49, 19.779, 11.879
Yxy	17.5941, 0.3704, 0.3189
Android (android.graphics.Color)	4288047214 (0xFF96686E)
YUV	118.4380, -4.1599, 27.6799
Hunter-Lab	41.9453, 13.5509, 5.1285

Details

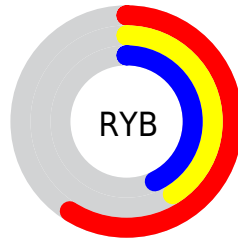
The CIELCh color $49, 19.779, 11.879$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $59, 16.989, 186.224$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 19.502, 13.270$, and $29, 19.989, 10.729$ is the 20% darker color. If you saturate the color by 10%, you get $45, 26.866, 13.435$, and if you desaturate by 10%, it is $53, 12.958, 10.619$.

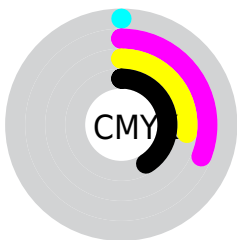
Distribution



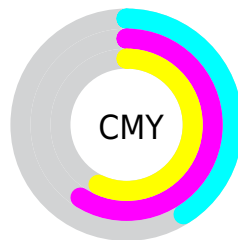
- Red (59%)
- Green (41%)
- Blue (43%)



- Red (59%)
- Yellow (41%)
- Blue (43%)



- Cyan (0%)
- Magenta (31%)
- Yellow (27%)
- Black (41%)



- Cyan (41%)
- Magenta (59%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 19.779, 11.879 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, 19.779, 11.879 by changing the saturation by 10% instead.

■ 49, 19.779, 11.879

■ 49, 19.779, 11.879

■ 100, 19.779,
11.879

■ 39, 19.779, 11.879

■ 69, 19.779, 11.879

■ 29, 19.779, 11.879

■ 79, 19.779, 11.879

■ 19, 19.779, 11.879

■ 89, 19.779, 11.879

■ 9, 19.779, 11.879

■ 99, 19.779, 11.879

■ 0, 19.779, 11.879

■ 49, 19.779, 11.879

■ 49, 19.779, 11.879

■ 45, 26.866, 13.435

■ 53, 12.958, 10.619

■ 41, 34.095, 15.374

■ 57, 6.480, 9.554

38, 41.269, 17.821

62, 0.370, 7.600

35, 48.149, 20.904

66, 5.375, 188.102

33, 54.504, 24.712

71, 10.773,
187.428

32, 60.173, 29.179

75, 15.851,
186.863

31, 65.000, 33.319

80, 20.640,
186.368

84, 25.170,
185.929

89, 29.469,
185.535

Harmonies

Complementary

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



49, 19.779, 11.879



59, 16.989, 186.224

Rectangle

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



49, 19.779, 11.879



49, 19.779, 61.879



49, 19.779, 191.879



49, 19.779, 241.879

Sweetspot

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



49, 19.777, 11.883



74, 6.799, 9.410



50, 30.736, 322.156



39, 4.781, 9.546



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, 19.777, 11.883



60, 30.239, 12.955



53, 16.101, 57.176



29, 3.387, 9.411



28, 60.722, 32.897



1, 2.886, 8.701

Inverse Universe

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



49, 19.777, 11.883



60, 30.239, 12.955



54, 13.836, 243.628



29, 3.387, 9.411



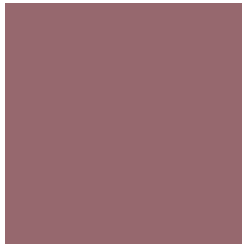
28, 60.722, 32.897



1, 2.886, 8.701

Previews

White Background



This preview shows how the CIELCh color 49, 19.779, 11.879 looks on a white background.

Color Contrast Check

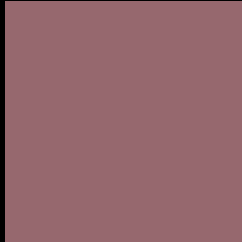
Large Text (above 18pt) WCAG AA ✓ Pass

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, 19.779, 11.879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

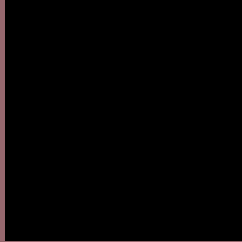
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 19.779, 11.879

Background



This preview shows how black text looks on a background with the CIELCh color 49, 19.779, 11.879.



This preview shows how white text looks on a background with the CIELCh color 49, 19.779, 11.879.

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, 19.779, 11.879

Protanopia

49, 1.356, 353.675

Deuteranopia

49, 7.943, 37.229



Tritanopia
49, 19.881, 8.552

Trichromacy



Original Color
49, 19.779, 11.879

Protanomaly
49, 7.636, 7.034

Deuteranomaly
49, 11.889, 23.583

Tritanomaly
49, 19.821, 10.211

Monochromacy



Original Color
49, 19.779, 11.879

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 6.692, 10.126

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 19.779, 11.879 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, 104, 110)` looks like.

```
.text, #text, p{  
    color:rgb(150, 104, 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(150, 104, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 104, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 19.779, 11.879 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, 104, 110) }
```

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

```
.border{ border-color:rgb(150, 104, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 104, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 104, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 104, 110);  
box-shadow:4px 4px 4px 4px rgb(150, 104,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 19.779, 11.879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 104, 110) }
```

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

```
.background{ background-color: rgb(150,  
104, 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](#).

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