

Converting Colors

CIELCh(49, 22.446, 3.254)

Have a look what the booklet for
CIELCh(49, 22.446, 3.254) contains.

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Color

CIELCh(49, 22.477, 2.895)

Conversions

Conversions Part 1

Format	Color
Hex	996673
RGB	153, 102, 115
RGB Percent	60%, 40%, 45%
CMY	0.3989, 0.5990, 0.5480
CMYK	0.00, 0.33, 0.25, 0.40
HSL	345°, 20%, 50%
HSV	345°, 33%, 60%
XYZ	21.0729, 17.5941, 18.5807
YIQ	118.7310, 26.2230, 14.8550

Conversions

Conversions Part 2

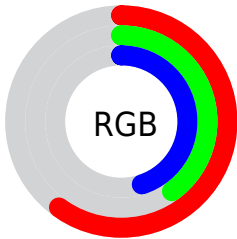
Format	Color
R_{YB}	153, 102, 115
Decimal	10053235
CIE _{Lab}	49.00, 22.45, 1.14
CIE _{LCh}	49, 22.477, 2.895
Yxy	17.5941, 0.3681, 0.3073
Android (android.graphics.Color)	4288243315 (0xFF996673)
YUV	118.7310, -1.8394, 30.0539
Hunter-Lab	41.9453, 16.2725, 3.0978

Details

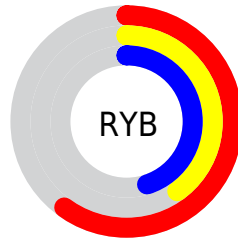
The CIELCh color $49, 22.477, 2.895$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $60, 20.057, 175.984$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 22.129, 2.990$, and $29, 22.716, 3.145$ is the 20% darker color. If you saturate the color by 10%, you get $45, 29.580, 4.520$, and if you desaturate by 10%, it is $53, 15.452, 1.548$.

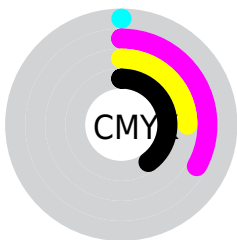
Distribution



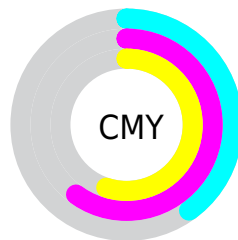
- Red (60%)
- Green (40%)
- Blue (45%)



- Red (60%)
- Yellow (40%)
- Blue (45%)



- Cyan (0%)
- Magenta (33%)
- Yellow (25%)
- Black (40%)



- Cyan (40%)
- Magenta (60%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 22.477, 2.895 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, 22.477, 2.895 by changing the saturation by 10% instead.

 49, 22.477, 2.895  49, 22.477, 2.895


 100, 22.477, 2.895  39, 22.477, 2.895

 69, 22.477, 2.895  29, 22.477, 2.895


 79, 22.477, 2.895  19, 22.477, 2.895


 89, 22.477, 2.895  9, 22.477, 2.895

 99, 22.477, 2.895  0, 22.477, 2.895

 49, 22.477, 2.895  49, 22.477, 2.895

 45, 29.580, 4.520  53, 15.452, 1.548

 41, 36.577, 6.512  57, 8.635, 0.393

 38, 43.206, 8.999  62, 2.090, 359.271

■ 36, 49.180, 12.132

■ 66, 4.155, 178.711

■ 34, 54.265, 16.057

■ 71, 10.096,
177.901

■ 32, 58.411, 20.837

■ 75, 15.745,
177.214

■ 32, 61.052, 24.163

■ 80, 21.120,
176.600

■ 85, 26.245,
176.046

■ 89, 31.142,
175.539

Harmonies

Complementary

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



49, 22.477, 2.895



60, 20.057, 175.984

Rectangle

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



49, 22.477, 2.895



49, 22.477, 52.895



49, 22.477, 182.895



49, 22.477, 232.895

Sweetspot

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



49, 22.475, 2.898



75, 7.982, 0.062



49, 32.956, 318.176



38, 5.447, 0.199



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, 22.475, 2.898



59, 33.721, 4.084



52, 18.612, 42.617



30, 3.635, 359.959



29, 57.041, 23.673



1, 3.843, 359.477

Inverse Universe

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



49, 22.475, 2.898



59, 33.721, 4.084



56, 14.929, 225.599



30, 3.635, 359.959



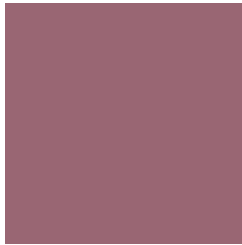
29, 57.041, 23.673



1, 3.843, 359.477

Previews

White Background



This preview shows how the CIELCh color 49, 22.477, 2.895 looks on a white background.

Color Contrast Check

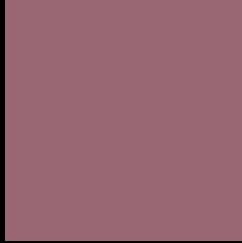
Large Text (above 18pt) WCAG AA ✓ Pass

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, 22.477, 2.895 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

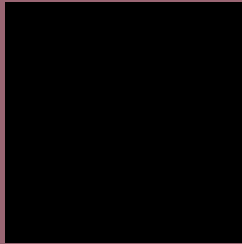
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 22.477, 2.895

Background



This preview shows how black text looks on a background with the CIELCh color 49, 22.477, 2.895.



This preview shows how white text looks on a background with the CIELCh color 49, 22.477, 2.895.

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, 22.477, 2.895

Protanopia

49, 4.139, 296.201

Deuteranopia

49, 6.640, 20.129



Tritanopia
49, 21.590, 9.911

Trichromacy



Original Color
49, 22.477, 2.895

Protanomaly
49, 9.366, 346.294

Deuteranomaly
49, 12.424, 7.398

Tritanomaly
49, 21.724, 6.878

Monochromacy



Original Color
49, 22.477, 2.895

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 7.936, 358.771

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 22.477, 2.895 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, 102, 115)` looks like.

```
.text, #text, p{  
    color:rgb(153, 102, 115)  
}
```

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, 102, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 102, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 22.477, 2.895 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, 102, 115) }
```

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

```
.border{ border-color:rgb(153, 102, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 102, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 102, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 102, 115);  
box-shadow:4px 4px 4px 4px rgb(153, 102,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 22.477, 2.895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 102, 115) }
```

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

```
.background{ background-color: rgb(153,  
102, 115) }
```

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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