

Converting Colors

CIELCh(49, 22.646, 40.791)

Have a look what the booklet for
CIELCh(49, 22.646, 40.791) contains.

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Color

CIELCh(49, 22.673, 40.992)

Conversions

Conversions Part 1

Format	Color
Hex	98695C
RGB	152, 105, 92
RGB Percent	60%, 41%, 36%
CMY	0.4034, 0.5877, 0.6387
CMYK	0.00, 0.31, 0.39, 0.40
HSL	13°, 25%, 48%
HSV	13°, 39%, 60%
XYZ	19.9780, 17.5941, 12.4975
YIQ	117.5710, 32.1850, 5.9210

Conversions

Conversions Part 2

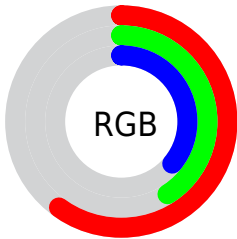
Format	Color
R_{YB}	152, 109, 92
Decimal	9988444
CIE _{Lab}	49.00, 17.11, 14.87
CIE _{LCh}	49, 22.673, 40.992
Yxy	17.5941, 0.3990, 0.3514
Android (android.graphics.Color)	4288178524 (0xFF98695C)
YUV	117.5710, -12.6065, 30.1942
Hunter-Lab	41.9453, 11.6130, 11.6964

Details

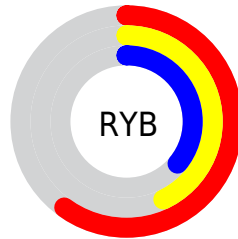
The CIELCh color $49, 22.673, 40.992$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $55, 17.253, 223.925$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 22.931, 40.457$, and $29, 22.777, 40.511$ is the 20% darker color. If you saturate the color by 10%, you get $46, 29.572, 41.253$, and if you desaturate by 10%, it is $52, 16.252, 40.914$.

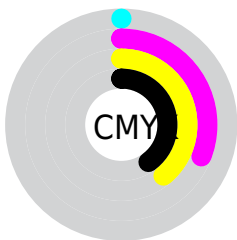
Distribution



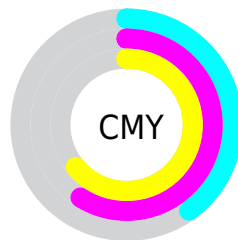
- Red (60%)
- Green (41%)
- Blue (36%)



- Red (60%)
- Yellow (43%)
- Blue (36%)



- Cyan (0%)
- Magenta (31%)
- Yellow (39%)
- Black (40%)



- Cyan (40%)
- Magenta (59%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 22.673, 40.992 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, 22.673, 40.992 by changing the saturation by 10% instead.

■ 49, 22.673, 40.992

■ 49, 22.673, 40.992

■ 100, 22.673,
40.992

■ 39, 22.673, 40.992

■ 69, 22.673, 40.992

■ 29, 22.673, 40.992

■ 79, 22.673, 40.992

■ 19, 22.673, 40.992

■ 89, 22.673, 40.992

■ 9, 22.673, 40.992

■ 99, 22.673, 40.992

■ 0, 22.673, 40.992

■ 49, 22.673, 40.992

■ 49, 22.673, 40.992

■ 46, 29.572, 41.253

■ 52, 16.252, 40.914

■ 43, 36.919, 41.708

■ 56, 10.306, 40.966

40, 44.610, 42.361

59, 4.810, 41.098

37, 52.402, 43.134

63, 0.273, 223.063

35, 59.757, 43.773

67, 4.985, 221.872

34, 66.184, 44.281

70, 9.365, 222.203

34, 66.537, 44.338

74, 13.453,
222.593

78, 17.284,
223.009

82, 20.889,
223.438

Harmonies

Complementary

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



49, 22.673, 40.992



55, 17.253, 223.925

Rectangle

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



49, 22.673, 40.992



49, 22.673, 90.992



49, 22.673, 220.992



49, 22.673, 270.992

Sweetspot

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



49, 22.672, 40.997



75, 7.687, 41.059



47, 35.498, 333.685



39, 5.109, 41.043



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, 22.672, 40.997



60, 34.766, 41.203



57, 25.479, 90.046



30, 2.889, 41.100



31, 62.277, 44.290



1, 3.027, 41.002

Inverse Universe

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



55, 17.253, 223.925



69, 24.635, 224.950



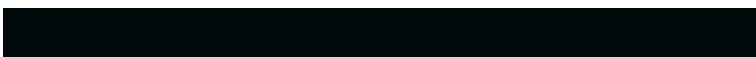
46, 25.899, 281.119



31, 2.734, 221.859



43, 28.353, 238.171



2, 3.004, 223.007

Previews

White Background



This preview shows how the CIELCh color 49, 22.673, 40.992 looks on a white background.

Color Contrast Check

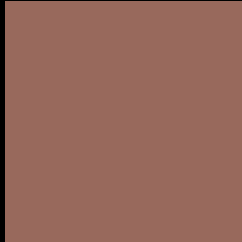
Large Text (above 18pt) WCAG AA ✓ Pass

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, 22.673, 40.992 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

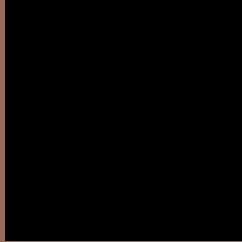
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 22.673, 40.992

Background



This preview shows how black text looks on a background with the CIELCh color 49, 22.673, 40.992.

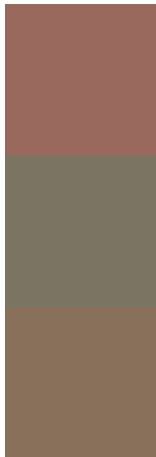


This preview shows how white text looks on a background with the CIELCh color 49, 22.673, 40.992.

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, 22.673, 40.992

Protanopia

49, 10.938, 92.766

Deuteranopia

49, 16.733, 66.793



Tritanopia
49, 21.973, 11.717

Trichromacy



Original Color
49, 22.673, 40.992

Protanomaly
49, 13.544, 63.479

Deuteranomaly
49, 18.716, 56.604

Tritanomaly
49, 21.240, 22.068

Monochromacy



Original Color
49, 22.673, 40.992

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 7.532, 38.150

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 22.673, 40.992 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(152, 105, 92)` looks like.

```
.text, #text, p{  
    color:rgb(152, 105, 92)  
}
```

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(152, 105, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 105, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 22.673, 40.992 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(152, 105, 92) }
```

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

```
.border{ border-color:rgb(152, 105, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 105, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 105, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 105, 92);  
box-shadow:4px 4px 4px 4px rgb(152, 105,  
92) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 22.673, 40.992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 105, 92) }
```

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

```
.background{ background-color: rgb(152,  
105, 92) }
```

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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