

Converting Colors

CIELCh(49, 19.427, 70.845)

Have a look what the booklet for
CIELCh(49, 19.427, 70.845) contains.

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Color

CIELCh(49, 19.390, 70.876)

Conversions

Conversions Part 1

Format	Color
Hex	8A7056
RGB	138, 112, 86
RGB Percent	54%, 44%, 34%
CMY	0.4597, 0.5616, 0.6635
CMYK	0.00, 0.19, 0.38, 0.46
HSL	30°, 23%, 44%
HSV	30°, 38%, 54%
XYZ	17.8861, 17.5941, 11.2143
YIQ	116.8100, 23.8420, -2.5740

Conversions

Conversions Part 2

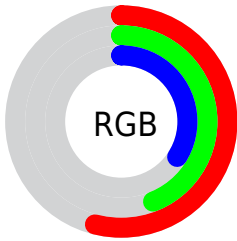
Format	Color
R_{YB}	138, 138, 86
Decimal	9072726
CIE _{Lab}	49.00, 6.35, 18.32
CIE _{LCh}	49, 19.390, 70.876
Yxy	17.5941, 0.3830, 0.3768
Android (android.graphics.Color)	4287262806 (0xFF8A7056)
YUV	116.8100, -15.1893, 18.5836
Hunter-Lab	41.9453, 2.7108, 13.5102

Details

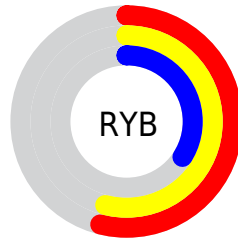
The CIELCh color $49, 19.390, 70.876$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $46, 17.490, 261.521$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 19.304, 71.819$, and $29, 19.661, 70.259$ is the 20% darker color. If you saturate the color by 10%, you get $47, 25.085, 69.654$, and if you desaturate by 10%, it is $51, 13.926, 72.099$.

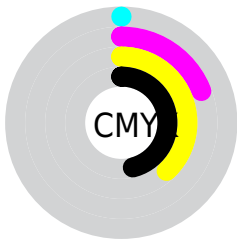
Distribution



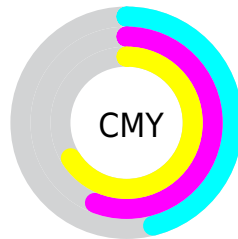
- Red (54%)
- Green (44%)
- Blue (34%)



- Red (54%)
- Yellow (54%)
- Blue (34%)



- Cyan (0%)
- Magenta (19%)
- Yellow (38%)
- Black (46%)



- Cyan (46%)
- Magenta (56%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 19.390, 70.876 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, 19.390, 70.876 by changing the saturation by 10% instead.

■ 49, 19.390, 70.876 ■ 49, 19.390, 70.876

■ 100, 19.390, 70.876 ■ 39, 19.390, 70.876

■ 69, 19.390, 70.876 ■ 29, 19.390, 70.876

■ 79, 19.390, 70.876 ■ 19, 19.390, 70.876

■ 89, 19.390, 70.876 ■ 9, 19.390, 70.876

■ 99, 19.390, 70.876 ■ 0, 19.390, 70.876

■ 49, 19.390, 70.876 ■ 49, 19.390, 70.876

■ 47, 25.085, 69.654 ■ 51, 13.926, 72.099

■ 45, 30.973, 68.406 ■ 53, 8.702, 73.298

■ 43, 36.950, 67.108

■ 56, 3.707, 74.450

■ 41, 42.798, 65.685

■ 58, 1.075, 255.956

■ 39, 48.095, 63.972

■ 60, 5.663, 256.888

■ 38, 52.553, 61.927

■ 63, 10.078,
257.973

■ 37, 53.677, 61.577

■ 65, 14.337,
259.033

■ 67, 18.460,
260.056

■ 70, 22.461,
261.037

Harmonies

Complementary

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



49, 19.390, 70.876



46, 17.490, 261.521

Rectangle

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



49, 19.390, 70.876



49, 19.390, 120.876



49, 19.390, 250.876



49, 19.390, 300.876

Sweetspot

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



49, 19.390, 70.882



70, 6.573, 74.057



43, 26.113, 347.198



36, 4.411, 73.925



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



49, 19.390, 70.882



61, 29.109, 69.871



56, 29.088, 106.664



28, 2.715, 74.293



36, 52.173, 61.724



1, 1.240, 75.426

Inverse Universe

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



46, 17.490, 261.521



56, 25.606, 263.440



39, 31.902, 294.936



28, 2.661, 256.640



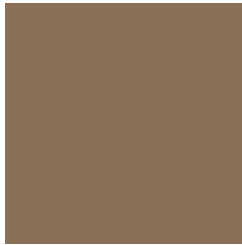
28, 43.260, 282.722



1, 1.240, 255.439

Previews

White Background



This preview shows how the CIELCh color 49, 19.390, 70.876 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, 19.390, 70.876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

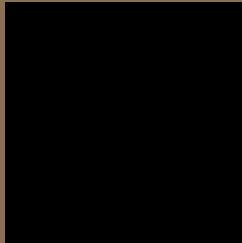
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 19.390, 70.876

Background



This preview shows how black text looks on a background with the CIELCh color 49, 19.390, 70.876.



This preview shows how white text looks on a background with the CIELCh color 49, 19.390, 70.876.

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, 19.390, 70.876

Protanopia

49, 16.805, 94.247

Deuteranopia

49, 19.390, 70.876



Tritanopia
49, 14.444, 2.444

Trichromacy



Original Color
49, 19.390, 70.876

Protanomaly
49, 17.379, 83.737

Deuteranomaly
49, 19.390, 70.876

Tritanomaly
49, 13.561, 30.770

Monochromacy



Original Color
49, 19.390, 70.876

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 6.746, 70.750

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 19.390, 70.876 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(138, 112, 86)` looks like.

```
.text, #text, p{  
    color:rgb(138, 112, 86)  
}
```

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(138, 112, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 112, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 19.390, 70.876 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(138, 112, 86) }
```

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

```
.border{ border-color:rgb(138, 112, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 112, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 112, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 112, 86);  
box-shadow:4px 4px 4px 4px rgb(138, 112,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 19.390, 70.876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 112, 86) }
```

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

```
.background{ background-color: rgb(138,  
112, 86) }
```

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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