

Converting Colors

CIELCh(49, 24.951, 89.789)

Have a look what the booklet for
CIELCh(49, 24.951, 89.789) contains.

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Color

CIELCh(49, 24.951, 89.789)

Conversions

Conversions Part 1

Format	Color
Hex	83734A
RGB	131, 115, 74
RGB Percent	51%, 45%, 29%
CMY	0.4861, 0.5489, 0.7096
CMYK	0.00, 0.12, 0.43, 0.49
HSL	43°, 28%, 40%
HSV	43°, 43%, 51%
XYZ	16.7391, 17.5941, 8.9990
YIQ	115.1100, 22.6970, -9.3590

Conversions

Conversions Part 2

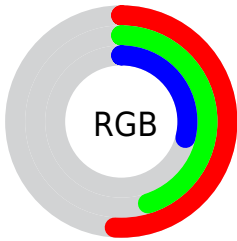
Format	Color
RYB	96, 131, 74
Decimal	8614730
CIELab	49.00, 0.09, 24.95
CIElCh	49, 24.951, 89.789
Yxy	17.5941, 0.3863, 0.4060
Android (android.graphics.Color)	4286804810 (0xFF83734A)
YUV	115.1100, -20.2672, 13.9355
Hunter-Lab	41.9453, -2.1703, 16.6415

Details

The CIELCh color $49, 24.951, 89.789$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $39, 25.467, 282.041$, and the grayscale version is $49, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 25.169, 90.221$, and $29, 24.759, 89.557$ is the 20% darker color. If you saturate the color by 10%, you get $48, 30.714, 88.481$, and if you desaturate by 10%, it is $50, 19.136, 91.071$.

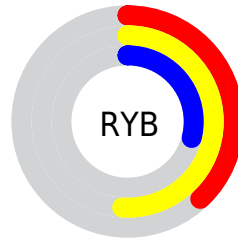
Distribution



Red (51%)

Green (45%)

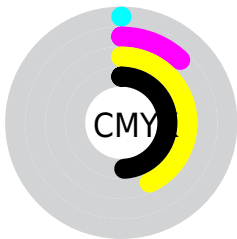
Blue (29%)



Red (38%)

Yellow (51%)

Blue (29%)

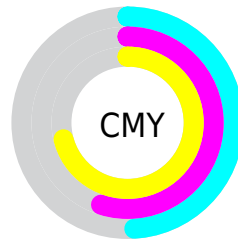


Cyan (0%)

Magenta (12%)

Yellow (43%)

Black (49%)



Cyan (49%)













Magenta (55%)







Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 24.951, 89.789 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, 24.951, 89.789 by changing the saturation by 10% instead.

 49, 24.951, 89.789	 49, 24.951, 89.789
 100, 24.951, 89.789	 39, 24.951, 89.789
 69, 24.951, 89.789	 29, 24.951, 89.789
 79, 24.951, 89.789	 19, 24.951, 89.789
 89, 24.951, 89.789	 9, 24.951, 89.789
 99, 24.951, 89.789	 0, 24.951, 89.789

 49, 24.951, 89.789	 49, 24.951, 89.789
 48, 30.714, 88.481	 50, 19.136, 91.071
 47, 36.291, 87.128	 52, 13.343, 92.315

■ 45, 41.453, 85.710

■ 53, 7.608, 93.518

■ 44, 45.837, 84.177

■ 54, 1.953, 94.633

■ 43, 48.978, 82.440

■ 56, 3.618, 275.881

■ 43, 50.824, 81.321

■ 57, 9.102, 276.940

■ 59, 14.503,
277.970

■ 60, 19.824,
278.955

■ 62, 25.070,
279.892

Harmonies

Complementary

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



49, 24.951, 89.789



39, 25.467, 282.041

Rectangle

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



49, 24.951, 89.789



49, 24.951, 139.789



49, 24.951, 269.789



49, 24.951, 319.789

Sweetspot

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



49, 24.952, 89.793



68, 9.099, 93.542



39, 26.317, 2.349



35, 6.427, 93.311



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



49, 24.952, 89.793



61, 37.081, 88.521



53, 32.507, 115.875



27, 3.198, 94.025



42, 50.549, 81.340



1, 0.763, 95.106

Inverse Universe

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



39, 25.467, 282.041



46, 38.261, 284.287



35, 35.864, 302.284



26, 3.214, 276.247



20, 62.333, 298.284



0, 0.763, 275.112

Previews

White Background



This preview shows how the CIELCh color 49, 24.951, 89.789 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, 24.951, 89.789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

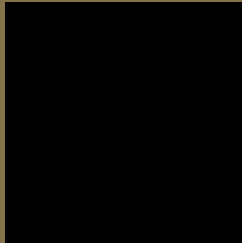
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 24.951, 89.789

Background



This preview shows how black text looks on a background with the CIELCh color 49, 24.951, 89.789.



This preview shows how white text looks on a background with the CIELCh color 49, 24.951, 89.789.

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, 24.951, 89.789

Protanopia

49, 24.712, 96.254

Deuteranopia

49, 25.209, 75.096



Tritanopia
49, 11.661, 357.267

Trichromacy



Original Color
49, 24.951, 89.789

Protanomaly
49, 24.396, 93.954

Deuteranomaly
49, 24.667, 79.292

Tritanomaly
49, 11.206, 51.536

Monochromacy



Original Color
49, 24.951, 89.789

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 9.143, 92.706

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 24.951, 89.789 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(131, 115, 74)` looks like.

```
.text, #text, p{  
    color:rgb(131, 115, 74)  
}
```

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(131, 115, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 115, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 24.951, 89.789 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(131, 115, 74) }
```

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

```
.border{ border-color:rgb(131, 115, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 115, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 115, 74); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 115, 74); box-shadow:4px 4px 4px 4px rgb(131, 115, 74) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 24.951, 89.789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 115, 74) }
```

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

```
.background{ background-color: rgb(131,  
115, 74) }
```

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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