

Converting Colors

CIELCh(49, 10.436, 70.257)

Have a look what the booklet for
CIELCh(49, 10.436, 70.257) contains.

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Color

CIELCh(49, 10.472, 70.899)

Conversions

Conversions Part 1

Format	Color
Hex	817264
RGB	129, 114, 100
RGB Percent	51%, 45%, 39%
CMY	0.4945, 0.5533, 0.6082
CMYK	0.00, 0.12, 0.22, 0.49
HSL	29°, 13%, 45%
HSV	29°, 22%, 51%
XYZ	17.3438, 17.5941, 14.5173
YIQ	116.8890, 13.4340, -1.1740

Conversions

Conversions Part 2

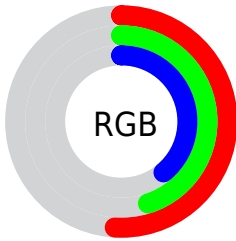
Format	Color
R_{YB}	129, 127, 100
Decimal	8483428
CIE Lab	49.00, 3.43, 9.90
CIE LCh	49, 10.472, 70.899
Yxy	17.5941, 0.3507, 0.3558
Android (android.graphics.Color)	4286673508 (0xFF817264)
YUV	116.8890, -8.3263, 10.6213
Hunter-Lab	41.9453, 0.4030, 8.8414

Details

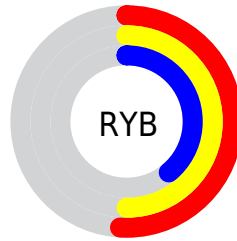
The CIELCh color $49, 10.472, 70.899$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $48, 9.825, 256.656$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 10.392, 71.591$, and $29, 10.528, 71.716$ is the 20% darker color. If you saturate the color by 10%, you get $47, 15.501, 69.741$, and if you desaturate by 10%, it is $51, 5.678, 72.055$.

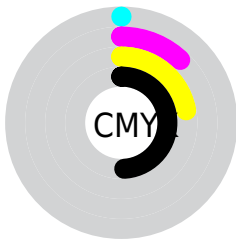
Distribution



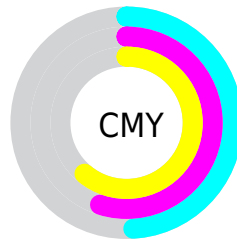
- Red (51%)
- Green (45%)
- Blue (39%)



- Red (51%)
- Yellow (50%)
- Blue (39%)



- Cyan (0%)
- Magenta (12%)
- Yellow (22%)
- Black (49%)



- Cyan (49%)
- Magenta (55%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 10.472, 70.899 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, 10.472, 70.899 by changing the saturation by 10% instead.

■ 49, 10.472, 70.899

■ 49, 10.472, 70.899

■ 100, 10.472,
70.899

■ 39, 10.472, 70.899

■ 69, 10.472, 70.899

■ 29, 10.472, 70.899

■ 79, 10.472, 70.899

■ 19, 10.472, 70.899

■ 89, 10.472, 70.899

■ 9, 10.472, 70.899

■ 99, 10.472, 70.899

■ 0, 10.472, 70.899

■ 49, 10.472, 70.899

■ 49, 10.472, 70.899

■ 47, 15.501, 69.741

■ 51, 5.678, 72.055

■ 45, 20.770, 68.566

■ 53, 1.103, 73.007

43, 26.264, 67.385

56, 3.272, 254.472

41, 31.929, 66.183

58, 7.466, 255.527

39, 37.635, 64.915

60, 11.500,
256.583

37, 43.111, 63.472

62, 15.391,
257.608

35, 47.865, 61.637

34, 51.435, 60.444

65, 19.155,
258.597

67, 22.808,
259.546

69, 26.362,
260.454

Harmonies

Complementary

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



49, 10.472, 70.899



48, 9.825, 256.656

Rectangle

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



49, 10.472, 70.899



49, 10.472, 120.899



49, 10.472, 250.899



49, 10.472, 300.899

Sweetspot

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



49, 10.472, 70.909



67, 3.905, 72.635



46, 14.981, 343.735



35, 2.529, 72.589



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



49, 10.472, 70.909



62, 15.829, 70.310



53, 16.069, 106.668



26, 2.518, 72.431



34, 51.017, 60.489



0, 0.000, 0.000

Inverse Universe

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



48, 9.825, 256.656



60, 14.608, 257.538



44, 16.841, 291.349



25, 2.462, 254.718



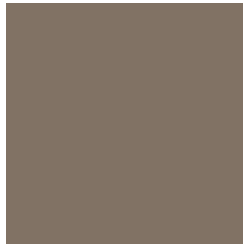
28, 40.496, 280.747



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 10.472, 70.899 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, 10.472, 70.899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

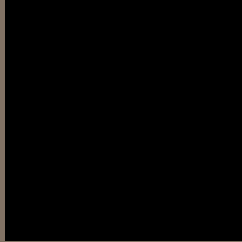
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 10.472, 70.899

Background



This preview shows how black text looks on a background with the CIELCh color 49, 10.472, 70.899.



This preview shows how white text looks on a background with the CIELCh color 49, 10.472, 70.899.

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, 10.472, 70.899

Protanopia

49, 9.129, 92.721

Deuteranopia

49, 11.921, 56.053



Tritanopia
49, 9.707, 347.727

Trichromacy



Original Color
49, 10.472, 70.899

Protanomaly
49, 9.248, 81.491

Deuteranomaly
49, 11.259, 62.225

Tritanomaly
49, 7.500, 15.795

Monochromacy



Original Color
49, 10.472, 70.899

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 3.568, 74.391

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 10.472, 70.899 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(129, 114, 100)` looks like.

```
.text, #text, p{  
    color:rgb(129, 114, 100)  
}
```

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(129, 114, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 114, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 10.472, 70.899 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(129, 114, 100) }
```

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

```
.border{ border-color:rgb(129, 114, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 114, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 114, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 114, 100);  
box-shadow:4px 4px 4px 4px rgb(129, 114,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 10.472, 70.899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 114, 100) }
```

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

```
.background{ background-color: rgb(129,  
114, 100) }
```

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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