

Converting Colors

CIELCh(50, 28.372, 98.073)

Have a look what the booklet for
CIELCh(50, 28.372, 98.073) contains.

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Color

CIELCh(50, 28.372, 98.073)

Conversions

Conversions Part 1	
Format	Color
Hex	817847
RGB	129, 120, 71
RGB Percent	51%, 47%, 28%
CMY	0.4958, 0.5310, 0.7231
CMYK	0.00, 0.07, 0.45, 0.50
HSL	51°, 29%, 39%
HSV	51°, 45%, 50%
XYZ	16.7811, 18.4187, 8.5674
YIQ	117.1050, 21.0930, -13.3310

Conversions

Conversions Part 2

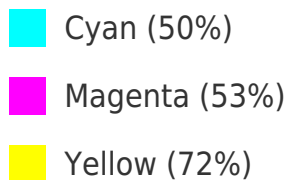
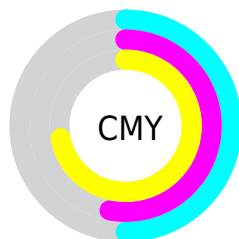
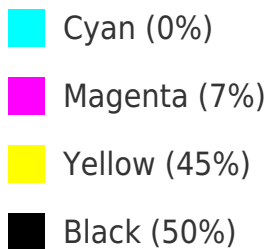
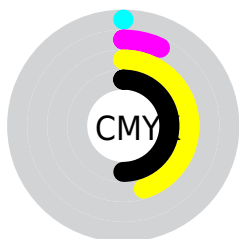
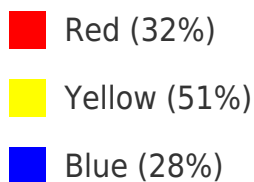
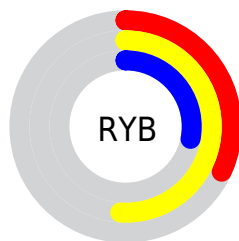
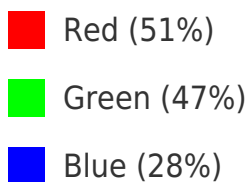
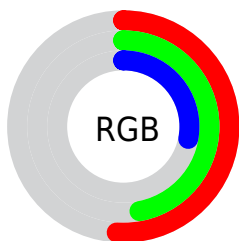
Format	Color
RYB	82, 129, 71
Decimal	8484935
CIELab	50.00, -3.98, 28.09
CIELCh	50, 28.372, 98.073
Yxy	18.4187, 0.3834, 0.4208
Android (android.graphics.Color)	4286675015 (0xFF817847)
YUV	117.1050, -22.7298, 10.4319
Hunter-Lab	42.9170, -5.3090, 18.2060

Details

The CIELCh color **50, 28.372, 98.073** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **35, 30.546, 289.624**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 28.488, 97.980**, and **30, 28.646, 98.533** is the 20% darker color. If you saturate the color by 10%, you get **49, 34.377, 96.961**, and if you desaturate by 10%, it is **51, 22.164, 99.192**.

Distribution




Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 28.372, 98.073 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 50, 28.372, 98.073 by changing the saturation by 10% instead.

 50, 28.372, 98.073

 50, 28.372, 98.073

 100, 28.372,
98.073

 40, 28.372, 98.073

 70, 28.372, 98.073

 30, 28.372, 98.073

 80, 28.372, 98.073

 20, 28.372, 98.073

 90, 28.372, 98.073

 10, 28.372, 98.073

 0, 28.372, 98.073


 50, 28.372, 98.073

 50, 28.372, 98.073

 49, 34.377, 96.961

 51, 22.164, 99.192

 49, 40.001, 95.854

 52, 15.858,
100.297

 48, 44.973, 94.760

 47, 48.924, 93.675

 52, 9.523, 101.382


 47, 51.540, 92.582

 53, 3.195, 102.425


 46, 52.732, 92.059

 54, 3.102, 283.517

 55, 9.357, 284.490

 56, 15.561,
285.439

 57, 21.712,
286.348

 58, 27.808,
287.214

Harmonies

Complementary

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



50, 28.372, 98.073



35, 30.546, 289.624

Rectangle

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



50, 28.372, 98.073



50, 28.372, 148.073



50, 28.372, 278.073



50, 28.372, 328.073

Sweetspot

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



50, 28.373, 98.077



67, 11.018, 101.461



37, 26.436, 11.356



35, 7.574, 101.266



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



50, 28.373, 98.077



63, 41.993, 96.938



51, 33.788, 120.682



26, 3.529, 102.015



46, 52.418, 92.069



0, 0.000, 0.000

Inverse Universe

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



35, 30.546, 289.624



41, 46.437, 291.828



34, 36.905, 306.019



25, 3.578, 284.001



16, 71.417, 303.036



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 50, 28.372, 98.073 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 50, 28.372, 98.073 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

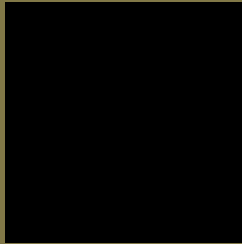
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 28.372, 98.073

Background



This preview shows how black text looks on a background with the CIELCh color 50, 28.372, 98.073.



This preview shows how white text looks on a background with the CIELCh color 50, 28.372, 98.073.

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

50, 28.372, 98.073

Protanopia

50, 28.571, 96.203

Deuteranopia

50, 28.352, 77.374



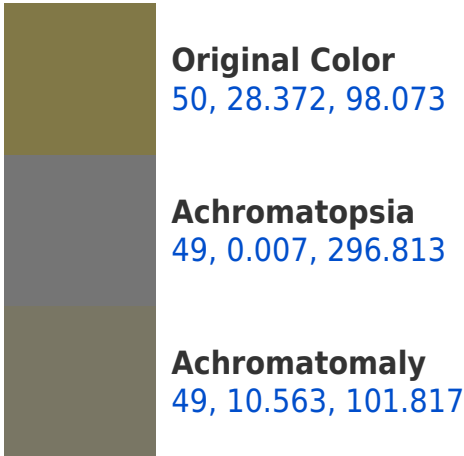
Tritanopia

50, 10.024, 349.046

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 28.372, 98.073 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, 120, 71)` looks like.

```
.text, #text, p{  
    color:rgb(129, 120, 71)  
}
```

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, 120, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 120, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 28.372, 98.073 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, 120, 71) }
```

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

```
.border{ border-color:rgb(129, 120, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 120, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 120, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 120, 71);  
box-shadow:4px 4px 4px 4px rgb(129, 120,  
71) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 28.372, 98.073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 120, 71) }
```

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

```
.background{ background-color: rgb(129,  
120, 71) }
```

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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