

Converting Colors

CIELCh(49, 72.312, 133.934)

Have a look what the booklet for
CIELCh(49, 72.312, 133.934)
contains.

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Color

CIELCh(49, 72.431, 133.971)

Conversions

Conversions Part 1

Format	Color
Hex	208701
RGB	32, 135, 1
RGB Percent	13%, 53%, 0%
CMY	0.8754, 0.4711, 0.9970
CMYK	0.76, 0.00, 0.99, 0.47
HSL	106°, 99%, 27%
HSV	106°, 99%, 53%
XYZ	9.2375, 17.5941, 2.9312
YIQ	88.9270, -18.3740, -63.5100

Conversions

Conversions Part 2

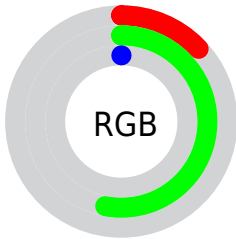
Format	Color
RYB	1, 135, 104
Decimal	2131713
CIELab	49.00, -50.29, 52.13
CIELCh	49, 72.431, 133.971
Yxy	17.5941, 0.3104, 0.5911
Android (android.graphics.Color)	4280321793 (0xFF208701)
YUV	88.9270, -43.3480, -49.9250
Hunter-Lab	41.9453, -34.0936, 25.2184

Details

The CIELCh color **49, 72.431, 133.971** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **26, 73.464, 319.843**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **69, 72.225, 133.937**, and **30, 53.409, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **49, 72.617, 133.970**, and if you desaturate by 10%, it is **49, 69.064, 133.798**.

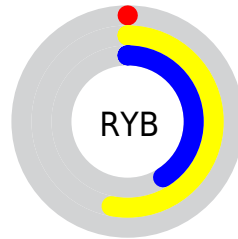
Distribution



Red (13%)

Green (53%)

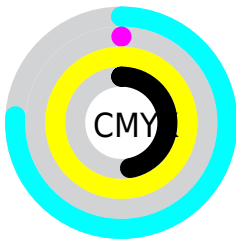
Blue (0%)



Red (0%)

Yellow (53%)

Blue (41%)

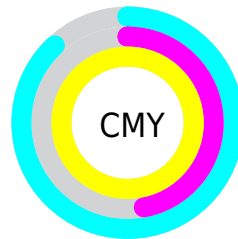


Cyan (76%)

Magenta (0%)

Yellow (99%)

Black (47%)



Cyan (88%)


Magenta (47%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 72.431, 133.971 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, 72.431, 133.971 by changing the saturation by 10% instead.


 49, 72.431,
133.971


 49, 72.431,
133.971


 100, 72.431,
133.971


 39, 72.431,
133.971

 69, 72.431,
133.971


 29, 72.431,
133.971

 79, 72.431,
133.971

 19, 72.431,
133.971

 89, 72.431,
133.971

 9, 72.431, 133.971

 99, 72.431,
133.971

 0, 72.431, 133.971

 49, 72.431,

 49, 72.431,

133.971

■ 49, 72.617,
133.970

133.971

■ 49, 69.064,
133.798

■ 50, 64.400,
133.808

■ 50, 58.293,
134.125

■ 51, 51.098,
134.633

■ 51, 43.149,
135.230

■ 52, 34.716,
135.845

■ 53, 26.002,
136.436

■ 54, 17.157,
136.982

Harmonies

Complementary

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



49, 72.431, 133.971



26, 73.464, 319.843

Rectangle

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



49, 72.431, 133.971



49, 72.431, 183.971



49, 72.431, 313.971



49, 72.431, 3.971

Sweetspot

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



49, 72.431, 133.972



68, 32.936, 136.364



46, 52.476, 85.541



35, 22.625, 136.149



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, 72.431, 133.972



63, 88.525, 134.215



49, 66.509, 140.793



27, 4.893, 137.494



47, 70.698, 133.931



1, 1.169, 137.870

Inverse Universe

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



26, 73.464, 319.843



35, 89.572, 319.652



30, 58.978, 341.951



26, 4.923, 318.229



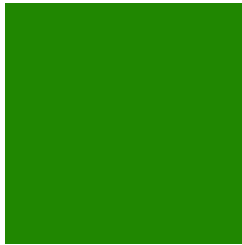
25, 71.727, 319.852



0, 1.170, 317.867

Previews

White Background



This preview shows how the CIELCh color 49, 72.431, 133.971 looks on a white background.

Color Contrast Check

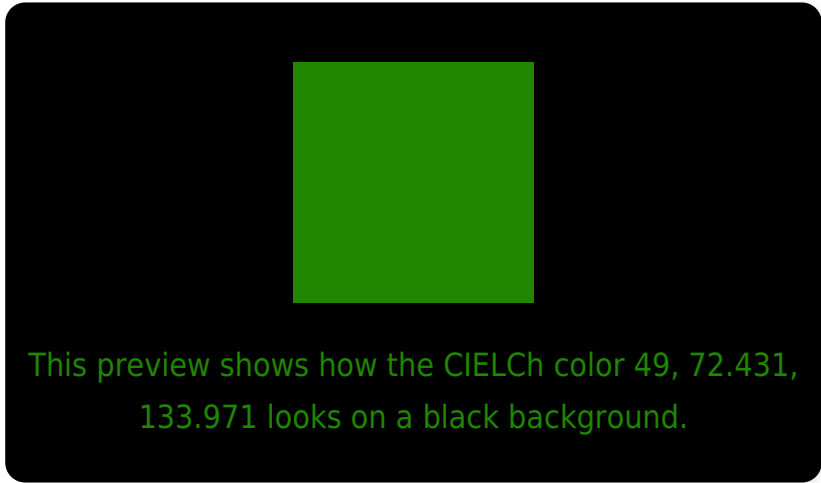
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

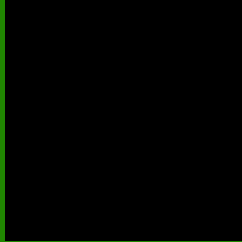
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 72.431, 133.971

Background



This preview shows how black text looks on a background with the CIELCh color 49, 72.431, 133.971.



This preview shows how white text looks on a background with the CIELCh color 49, 72.431, 133.971.

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, 72.431, 133.971

Protanopia
49, 54.701, 95.139

Deuteranopia
49, 47.900, 82.335



Tritanopia
49, 20.577, 214.244

Trichromacy



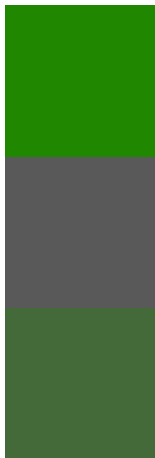
Original Color
49, 72.431, 133.971

Protanomaly
48, 58.256, 115.783

Deuteranomaly
47, 51.542, 111.307

Tritanomaly
48, 37.996, 154.430

Monochromacy



Original Color
49, 72.431, 133.971

Achromatopsia
38, 0.005, 296.813

Achromatomaly
41, 33.334, 135.682

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 72.431, 133.971 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(32, 135, 1)` looks like.

```
.text, #text, p{  
    color:rgb(32, 135, 1)  
}
```

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(32, 135, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 135, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 72.431, 133.971 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(32, 135, 1) }
```

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

```
.border{ border-color:rgb(32, 135, 1) }
```

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

Here you see how a box with a 4 pixel rgb(32, 135, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 135, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 135, 1);  
box-shadow:4px 4px 4px 4px rgb(32, 135, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 49, 72.431, 133.971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 135, 1) }
```

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

```
.background{ background-color: rgb(32, 135,  
1) }
```

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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