

Converting Colors

CIELCh(49, 33.208, 112.078)

Have a look what the booklet for
CIELCh(49, 33.208, 112.078)
contains.

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Color

CIELCh(49, 33.072, 112.150)

Conversions

Conversions Part 1

Format	Color
Hex	71793F
RGB	113, 121, 63
RGB Percent	44%, 47%, 25%
CMY	0.5562, 0.5249, 0.7524
CMYK	0.07, 0.00, 0.48, 0.52
HSL	68°, 31%, 36%
HSV	68°, 48%, 48%
XYZ	14.5878, 17.5941, 7.3510
YIQ	111.9960, 13.8500, -19.7340

Conversions

Conversions Part 2

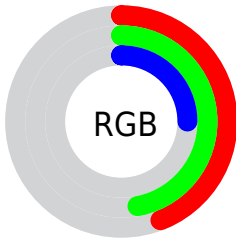
Format	Color
RYB	63, 121, 71
Decimal	7436607
CIELab	49.00, -12.47, 30.63
CIELCh	49, 33.072, 112.150
Yxy	17.5941, 0.3690, 0.4450
Android (android.graphics.Color)	4285626687 (0xFF71793F)
YUV	111.9960, -24.1550, 0.8805
Hunter-Lab	41.9453, -11.3253, 18.9710

Details

The CIELCh color $49, 33.072, 112.150$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $30, 37.188, 300.434$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 32.941, 111.926$, and $29, 33.196, 112.874$ is the 20% darker color. If you saturate the color by 10%, you get $49, 39.309, 111.545$, and if you desaturate by 10%, it is $49, 26.463, 112.834$.

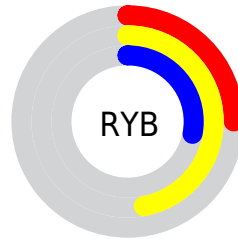
Distribution



Red (44%)

Green (47%)

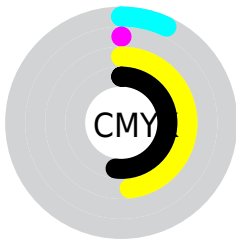
Blue (25%)



Red (25%)

Yellow (47%)

Blue (28%)

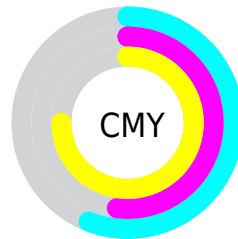


Cyan (7%)

Magenta (0%)

Yellow (48%)

Black (52%)



Cyan (56%)


Magenta (52%)


Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 33.072, 112.150 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, 33.072, 112.150 by changing the saturation by 10% instead.


 49, 33.072,
112.150


 49, 33.072,
112.150


 100, 33.072,
112.150


 39, 33.072,
112.150

 69, 33.072,
112.150


 29, 33.072,
112.150

 79, 33.072,
112.150

 19, 33.072,
112.150

 89, 33.072,
112.150

 9, 33.072, 112.150

 99, 33.072,
112.150

 0, 33.072, 112.150

 49, 33.072,

 49, 33.072,

112.150

112.150

■ 49, 39.309,
111.545

■ 49, 26.463,
112.834

■ 48, 44.967,
111.058

■ 50, 19.619,
113.554

■ 48, 49.775,
110.754

■ 50, 12.637,
114.289

■ 48, 53.430,
110.701

■ 51, 5.580, 115.020

■ 48, 56.015,
110.877

■ 51, 1.510, 295.744

■ 52, 8.603, 296.432

■ 48, 56.565,
110.908

■ 52, 15.676,
297.095

■ 53, 22.716,
297.725

■ 53, 29.709,

Harmonies

Complementary

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



49, 33.072, 112.150



30, 37.188, 300.434

Rectangle

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



49, 33.072, 112.150



49, 33.072, 162.150



49, 33.072, 292.150



49, 33.072, 342.150

Sweetspot

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



49, 33.073, 112.152



64, 12.314, 114.549



36, 24.818, 33.943



33, 8.451, 114.419



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



49, 33.073, 112.152



62, 48.078, 111.515



47, 36.841, 131.403



26, 4.021, 114.934



49, 57.835, 110.932



94, 97.480, 111.349

Inverse Universe

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



30, 37.188, 300.434



35, 55.990, 301.906



33, 38.509, 315.572



23, 4.102, 296.279



13, 78.009, 306.996



33, 131.876, 306.721

Previews

White Background



This preview shows how the CIELCh color 49, 33.072, 112.150 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, 33.072, 112.150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

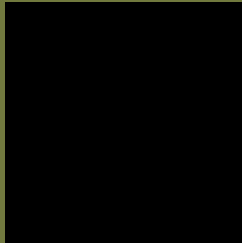
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 33.072, 112.150

Background



This preview shows how black text looks on a background with the CIELCh color 49, 33.072, 112.150.



This preview shows how white text looks on a background with the CIELCh color 49, 33.072, 112.150.

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, 33.072, 112.150

Protanopia

49, 31.456, 95.678

Deuteranopia

49, 30.262, 77.700



Tritanopia
49, 5.835, 314.938

Trichromacy



Original Color
49, 33.072, 112.150

Protanomaly
49, 31.990, 101.703

Deuteranomaly
49, 29.943, 90.846

Tritanomaly
49, 9.351, 106.324

Monochromacy



Original Color
49, 33.072, 112.150

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 12.368, 114.473

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 33.072, 112.150 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(113, 121, 63)` looks like.

```
.text, #text, p{  
    color:rgb(113, 121, 63)  
}
```

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(113, 121, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 121, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 33.072, 112.150 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(113, 121, 63) }
```

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

```
.border{ border-color:rgb(113, 121, 63) }
```

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

Here you see how a box with a 4 pixel rgb(113, 121, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 121, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 121, 63);  
box-shadow:4px 4px 4px 4px rgb(113, 121,  
63) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 33.072, 112.150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 121, 63) }
```

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

```
.background{ background-color: rgb(113,  
121, 63) }
```

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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