

Converting Colors

CIELCh(72, 33.441, 130.980)

Have a look what the booklet for
CIELCh(72, 33.441, 130.980)
contains.

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Color

CIELCh(72, 33.892, 130.618)

Conversions

Conversions Part 1

Format	Color
Hex	99BB81
RGB	153, 187, 129
RGB Percent	60%, 73%, 51%
CMY	0.4017, 0.2684, 0.4957
CMYK	0.18, 0.00, 0.31, 0.27
HSL	95°, 30%, 62%
HSV	95°, 31%, 73%
XYZ	34.6682, 43.6590, 27.2245
YIQ	170.2220, -1.6460, -25.2460

Conversions

Conversions Part 2

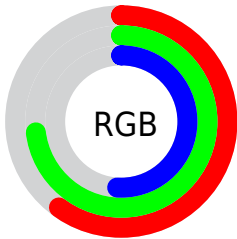
Format	Color
RYB	129, 187, 163
Decimal	10075009
CIELab	72.00, -22.06, 25.73
CIELCh	72, 33.892, 130.618
Yxy	43.6590, 0.3284, 0.4136
Android (android.graphics.Color)	4288265089 (0xFF99BB81)
YUV	170.2220, -20.3224, -15.1037
Hunter-Lab	66.0750, -21.9759, 21.8236

Details

The CIELCh color **72, 33.892, 130.618** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **59, 35.078, 313.401**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 33.863, 130.468**, and **52, 34.148, 130.637** is the 20% darker color. If you saturate the color by 10%, you get **71, 44.562, 130.131**, and if you desaturate by 10%, it is **73, 23.022, 131.105**.

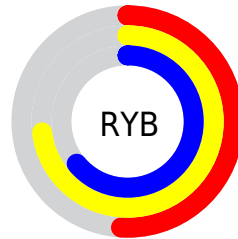
Distribution



Red (60%)

Green (73%)

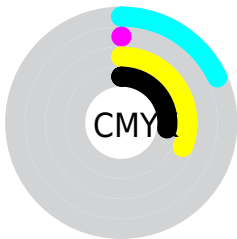
Blue (51%)



Red (51%)

Yellow (73%)

Blue (64%)

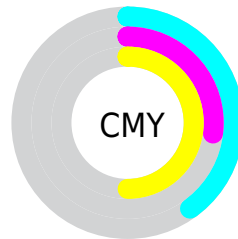


Cyan (18%)

Magenta (0%)

Yellow (31%)

Black (27%)



Cyan (40%)


Magenta (27%)


Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 33.892, 130.618 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 72, 33.892, 130.618 by changing the saturation by 10% instead.


 72, 33.892,
130.618


 72, 33.892,
130.618


 100, 33.892,
130.618


 62, 33.892,
130.618


 92, 33.892,
130.618

 52, 33.892,
130.618

 42, 33.892,
130.618

 32, 33.892,
130.618

 22, 33.892,
130.618

 12, 33.892,
130.618

 2, 33.892, 130.618

0, 33.892, 130.618

72, 33.892,
130.618

72, 33.892,
130.618

71, 44.562,
130.131

73, 23.022,
131.105

70, 54.840,
129.676

74, 12.080,
131.570

69, 64.460,
129.316

76, 1.162, 132.102

69, 73.057,
129.141

77, 9.667, 312.353

68, 80.178,
129.274

78, 20.358,
312.705

68, 85.398,
129.834

80, 30.881,
313.013

81, 39.182,

■ 67, 88.593,
130.623

314.393

■ 82, 40.564,
319.457

■ 83, 42.227,
324.245

Harmonies

Complementary

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



72, 33.892, 130.618



59, 35.078, 313.401

Rectangle

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



72, 33.892, 130.618



72, 33.892, 180.618



72, 33.892, 310.618



72, 33.892, 0.618

Sweetspot

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



72, 33.894, 130.619



94, 12.128, 131.657



68, 21.192, 79.838



50, 8.501, 131.591



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



72, 33.894, 130.619



90, 49.745, 130.299



71, 36.361, 144.545



39, 6.235, 131.647



58, 78.217, 130.428



9, 19.599, 135.627

Inverse Universe

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



59, 35.078, 313.401



71, 51.882, 313.707



61, 36.380, 328.540



37, 6.304, 312.402



26, 85.610, 314.169



2, 18.376, 308.086

Previews

White Background



This preview shows how the CIELCh color 72, 33.892, 130.618 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 72, 33.892, 130.618 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 ✓ Pass

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

CIELCh 72, 33.892, 130.618

Background



This preview shows how black text looks on a background with the CIELCh color 72, 33.892, 130.618.

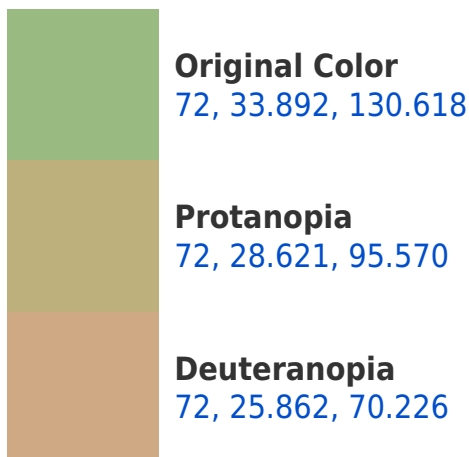


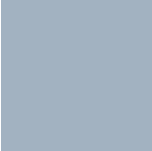
This preview shows how white text looks on a background with the CIELCh color 72, 33.892, 130.618.

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





Tritanopia
72, 9.804, 255.856

Trichromacy



Original Color
72, 33.892, 130.618

Protanomaly
72, 28.992, 110.561

Deuteranomaly
71, 24.292, 96.019

Tritanomaly
72, 10.199, 162.670

Monochromacy



Original Color
72, 33.892, 130.618

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 12.366, 131.029

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 33.892, 130.618 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(153, 187, 129)` looks like.

```
.text, #text, p{  
    color:rgb(153, 187, 129)  
}
```

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(153, 187, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 187, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 33.892, 130.618 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(153, 187, 129) }
```

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

```
.border{ border-color:rgb(153, 187, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 187, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 187, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 187, 129);  
box-shadow:4px 4px 4px 4px rgb(153, 187,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 33.892, 130.618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 187, 129) }
```

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

```
.background{ background-color: rgb(153,  
187, 129) }
```

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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