

Converting Colors

CIELCh(72, 35.099, 100.725)

Have a look what the booklet for
CIELCh(72, 35.099, 100.725)
contains.

CIELCh(72, 34.942, 100.452)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(72, 34.942, 100.452)

Conversions

Conversions Part 1

Format	Color
Hex	BBB271
RGB	187, 178, 113
RGB Percent	73%, 70%, 44%
CMY	0.2662, 0.3015, 0.5564
CMYK	0.00, 0.05, 0.40, 0.27
HSL	53°, 35%, 59%
HSV	53°, 40%, 73%
XYZ	39.4507, 43.6590, 22.0015
YIQ	173.2810, 26.2290, -18.3070

Conversions

Conversions Part 2

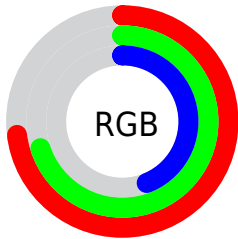
Format	Color
RYB	123, 187, 113
Decimal	12300913
CIELab	72.00, -6.34, 34.36
CIElCh	72, 34.942, 100.452
Yxy	43.6590, 0.3753, 0.4154
Android (android.graphics.Color)	4290490993 (0xFFBBB271)
YUV	173.2810, -29.7185, 12.0316
Hunter-Lab	66.0750, -9.0560, 26.5103

Details

The CIELCh color **72, 34.942, 100.452** is a light color, and the websafe version is hex **999966**. A complement of this color would be **53, 37.618, 290.405**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 34.930, 100.872**, and **52, 34.921, 101.147** is the 20% darker color. If you saturate the color by 10%, you get **71, 43.416, 99.361**, and if you desaturate by 10%, it is **73, 26.214, 101.556**.

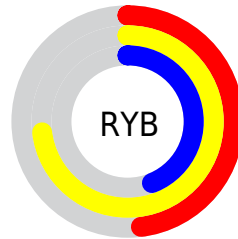
Distribution



Red (73%)

Green (70%)

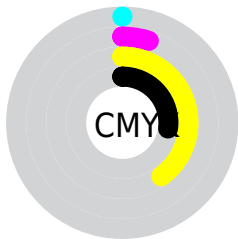
Blue (44%)



Red (48%)

Yellow (73%)

Blue (44%)

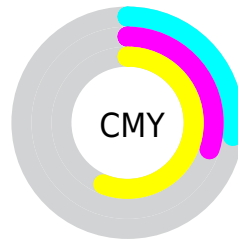


Cyan (0%)

Magenta (5%)

Yellow (40%)

Black (27%)



Cyan (27%)


Magenta (30%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 34.942, 100.452 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, 34.942, 100.452 by changing the saturation by 10% instead.


 72, 34.942,
100.452


 72, 34.942,
100.452


 100, 34.942,
100.452


 62, 34.942,
100.452


 92, 34.942,
100.452

 52, 34.942,
100.452

 42, 34.942,
100.452

 32, 34.942,
100.452

 22, 34.942,
100.452

 12, 34.942,
100.452

 2, 34.942, 100.452

0, 34.942, 100.452

72, 34.942,
100.452

72, 34.942,
100.452

71, 43.416, 99.361

73, 26.214,
101.556

70, 51.411, 98.286

74, 17.364,
102.649

70, 58.584, 97.246

69, 64.449, 96.252

75, 8.474, 103.719

68, 68.450, 95.301

76, 0.406, 285.054

68, 70.522, 94.376

77, 9.249, 285.809

67, 70.605, 94.335

78, 18.037,
286.780

79, 26.760,
287.712

■ 80, 31.308,
287.552

■ 81, 30.107,
285.824

Harmonies

Complementary

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



72, 34.942, 100.452



53, 37.618, 290.405

Rectangle

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



72, 34.942, 100.452



72, 34.942, 150.452



72, 34.942, 280.452



72, 34.942, 330.452

Sweetspot

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



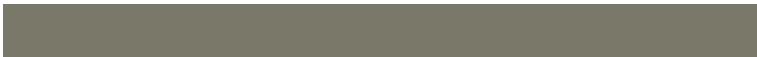
72, 34.943, 100.456



94, 13.137, 103.439



56, 31.253, 13.136



50, 8.786, 103.300



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, 34.943, 100.456



90, 50.888, 99.556



72, 40.727, 122.219



39, 5.062, 103.739



58, 62.391, 94.455



10, 14.396, 100.176

Inverse Universe

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



53, 37.618, 290.405



62, 56.007, 292.073



53, 43.868, 306.749



37, 5.145, 285.789



20, 87.246, 304.312



2, 15.917, 287.009

Previews

White Background



This preview shows how the CIELCh color 72, 34.942, 100.452 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 CIE LCh color 72, 34.942, 100.452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

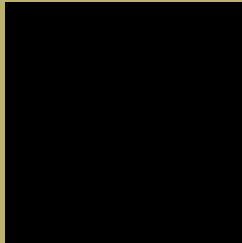
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 34.942, 100.452

Background



This preview shows how black text looks on a background with the CIELCh color 72, 34.942, 100.452.



This preview shows how white text looks on a background with the CIELCh color 72, 34.942, 100.452.

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

72, 34.942, 100.452

Protanopia

72, 34.985, 95.505

Deuteranopia

72, 34.935, 75.264



Tritanopia
72, 11.774, 343.618

Trichromacy



Original Color
72, 34.942, 100.452

Protanomaly
72, 35.219, 97.672

Deuteranomaly
72, 34.148, 84.131

Tritanomaly
72, 11.086, 66.784

Monochromacy



Original Color
72, 34.942, 100.452

Achromatopsia
71, 0.009, 296.813

Achromatomaly
71, 13.070, 103.668

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 34.942, 100.452 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(187, 178, 113)` looks like.

```
.text, #text, p{  
    color:rgb(187, 178, 113)  
}
```

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(187, 178, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 178, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 34.942, 100.452 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(187, 178, 113) }
```

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

```
.border{ border-color:rgb(187, 178, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 178, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 178, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 178, 113);  
box-shadow:4px 4px 4px 4px rgb(187, 178,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 34.942, 100.452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 178, 113) }
```

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

```
.background{ background-color: rgb(187,  
178, 113) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor