

Converting Colors

CIELCh(72, 63.972, 101.164)

Have a look what the booklet for
CIELCh(72, 63.972, 101.164)
contains.

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Color

CIELCh(72, 63.817, 101.076)

Conversions

Conversions Part 1

Format	Color
Hex	BBB433
RGB	187, 180, 51
RGB Percent	73%, 71%, 20%
CMY	0.2650, 0.2926, 0.7983
CMYK	0.00, 0.04, 0.73, 0.27
HSL	57°, 57%, 47%
HSV	57°, 73%, 73%
XYZ	37.6015, 43.6590, 9.6259
YIQ	167.3870, 45.5810, -38.6350

Conversions

Conversions Part 2

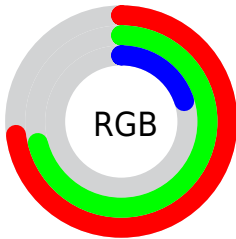
Format	Color
RYB	58, 187, 51
Decimal	12301363
CIELab	72.00, -12.26, 62.63
CIElCh	72, 63.817, 101.076
Yxy	43.6590, 0.4137, 0.4804
Android (android.graphics.Color)	4290491443 (0xFFBBB433)
YUV	167.3870, -57.3788, 17.2006
Hunter-Lab	66.0750, -14.0516, 37.6150

Details

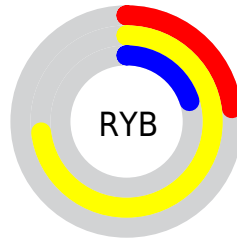
The CIELCh color **72, 63.817, 101.076** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **33, 79.453, 300.688**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 64.141, 101.272**, and **52, 58.138, 101.910** is the 20% darker color. If you saturate the color by 10%, you get **72, 69.229, 100.381**, and if you desaturate by 10%, it is **72, 56.832, 101.893**.

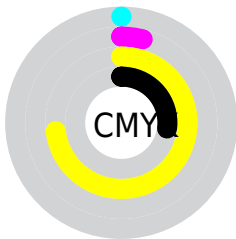
Distribution



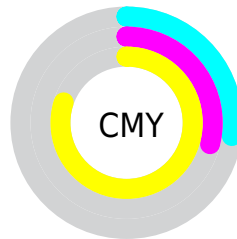
- Red (73%)
- Green (71%)
- Blue (20%)



- Red (23%)
- Yellow (73%)
- Blue (20%)



- Cyan (0%)
- Magenta (4%)
- Yellow (73%)
- Black (27%)





- Cyan (27%)
- Magenta (29%)
- Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 63.817, 101.076 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, 63.817, 101.076 by changing the saturation by 10% instead.


 72, 63.817,
101.076


 72, 63.817,
101.076


 100, 63.817,
101.076


 62, 63.817,
101.076


 92, 63.817,
101.076

 52, 63.817,
101.076

 42, 63.817,
101.076

 32, 63.817,
101.076

 22, 63.817,
101.076

 12, 63.817,
101.076

 2, 63.817, 101.076

■ 0, 63.817, 101.076

■ 72, 63.817,
101.076

■ 72, 63.817,
101.076

■ 72, 69.229,
100.381

■ 72, 56.832,
101.893

■ 71, 72.612, 99.820

■ 73, 48.769,
102.796

■ 71, 74.042, 99.470

■ 73, 40.024,
103.760

■ 74, 30.871,
104.757

■ 74, 21.488,
105.769

■ 75, 11.987,
106.778

■ 76, 2.438, 107.748

■ 77, 7.114, 288.766

■ 77, 16.643,
289.700

Harmonies

Complementary

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



72, 63.817, 101.076



33, 79.453, 300.688

Rectangle

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



72, 63.817, 101.076



72, 63.817, 151.076



72, 63.817, 281.076



72, 63.817, 331.076

Sweetspot

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



72, 63.817, 101.078



95, 26.033, 105.789



43, 60.784, 26.673



50, 17.469, 105.515



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, 63.817, 101.078



91, 87.357, 100.034



70, 71.263, 123.887



40, 5.439, 107.097



61, 65.319, 99.516



10, 15.808, 104.803

Inverse Universe

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



33, 79.453, 300.688



35, 117.489, 304.116



37, 81.329, 310.735



37, 5.547, 289.030



19, 91.113, 305.539



1, 16.785, 289.177

Previews

White Background



This preview shows how the CIELCh color 72, 63.817, 101.076 looks on a white background.

Color Contrast Check

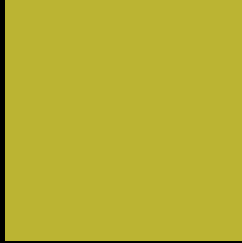
Large Text (above 18pt) WCAG AA × Fail

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, 63.817, 101.076 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, 63.817, 101.076

Background



This preview shows how black text looks on a background with the CIELCh color 72, 63.817, 101.076.



This preview shows how white text looks on a background with the CIELCh color 72, 63.817, 101.076.

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, 63.817, 101.076

Protanopia

72, 63.754, 95.376

Deuteranopia

72, 62.313, 81.628



Tritanopia
72, 13.643, 346.796

Trichromacy



Original Color
72, 63.817, 101.076

Protanomaly
72, 63.439, 97.418

Deuteranomaly
72, 62.042, 88.950

Tritanomaly
72, 22.399, 85.347

Monochromacy



Original Color
72, 63.817, 101.076

Achromatopsia
69, 0.009, 296.813

Achromatomaly
70, 25.430, 105.729

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 63.817, 101.076 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, 180, 51)` looks like.

```
.text, #text, p{  
    color:rgb(187, 180, 51)  
}
```

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, 180, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 180, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 63.817, 101.076 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, 180, 51) }
```

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

```
.border{ border-color:rgb(187, 180, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 180, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 180, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 180, 51);  
box-shadow:4px 4px 4px 4px rgb(187, 180,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 63.817, 101.076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 180, 51) }
```

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

```
.background{ background-color: rgb(187,  
180, 51) }
```

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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