

Converting Colors

CIELCh(71, 70.381, 99.552)

Have a look what the booklet for
CIELCh(71, 70.381, 99.552) contains.

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Color

CIELCh(71, 70.248, 99.513)

Conversions

Conversions Part 1

Format	Color
Hex	BBB119
RGB	187, 177, 25
RGB Percent	73%, 69%, 10%
CMY	0.2658, 0.3051, 0.9007
CMYK	0.00, 0.05, 0.86, 0.27
HSL	56°, 76%, 42%
HSV	56°, 86%, 73%
XYZ	36.4878, 42.1875, 7.1578
YIQ	162.6620, 54.7520, -45.1520

Conversions

Conversions Part 2

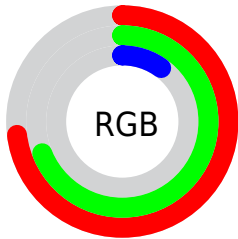
Format	Color
R_{YB}	36, 187, 25
Decimal	12300569
CIE Lab	71.00, -11.61, 69.28
CIE LCh	71, 70.248, 99.513
Yxy	42.1875, 0.4251, 0.4915
Android (android.graphics.Color)	4290490649 (0xFFBBB119)
YUV	162.6620, -67.8674, 21.3444
Hunter-Lab	64.9519, -13.3906, 38.9324

Details

The CIELCh color **71, 70.248, 99.513** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **27, 93.457, 303.493**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 70.191, 99.277**, and **51, 57.176, 100.925** is the 20% darker color. If you saturate the color by 10%, you get **71, 72.797, 98.947**, and if you desaturate by 10%, it is **71, 65.599, 100.205**.

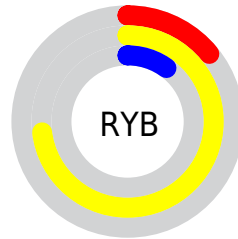
Distribution



Red (73%)

Green (69%)

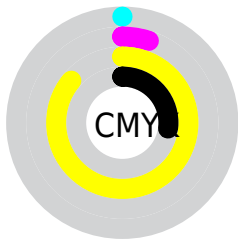
Blue (10%)



Red (14%)

Yellow (73%)

Blue (10%)

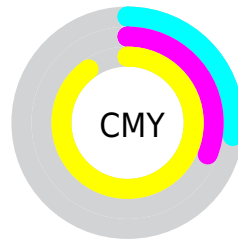


Cyan (0%)

Magenta (5%)

Yellow (86%)

Black (27%)



Cyan (27%)

Magenta (31%)

Yellow (90%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 70.248, 99.513 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 71, 70.248, 99.513 by changing the saturation by 10% instead.

 71, 70.248, 99.513

 71, 70.248, 99.513

 100, 70.248,
99.513

 61, 70.248, 99.513

 91, 70.248, 99.513

 51, 70.248, 99.513

 41, 70.248, 99.513

 31, 70.248, 99.513

 21, 70.248, 99.513

 11, 70.248, 99.513

 1, 70.248, 99.513

 0, 70.248, 99.513

 71, 70.248, 99.513

 71, 70.248, 99.513

71, 72.797, 98.947

71, 65.599,
100.205

71, 73.457, 98.761

72, 59.191,
101.010

72, 51.536,
101.909

73, 43.077,
102.872

73, 34.132,
103.875

74, 24.908,
104.896

75, 15.538,
105.919

75, 6.104, 106.923

76, 3.343, 287.954

Harmonies

Complementary

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



71, 70.248, 99.513



27, 93.457, 303.493

Rectangle

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



71, 70.248, 99.513



71, 70.248, 149.513



71, 70.248, 279.513



71, 70.248, 329.513

Sweetspot

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



71, 70.248, 99.515



93, 30.163, 104.902



40, 71.737, 32.235



50, 20.582, 104.545



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



71, 70.248, 99.515



89, 89.068, 98.691



69, 79.700, 124.399



40, 5.383, 106.637



60, 64.859, 98.816



10, 15.597, 104.187

Inverse Universe

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



27, 93.457, 303.493



31, 126.149, 305.732



31, 93.189, 310.935



37, 5.487, 288.586



19, 90.636, 305.393



1, 16.657, 288.874

Previews

White Background



This preview shows how the CIELCh color 71, 70.248, 99.513 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 71, 70.248, 99.513 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 71, 70.248, 99.513

Background



This preview shows how black text looks on a background with the CIELCh color 71, 70.248, 99.513.

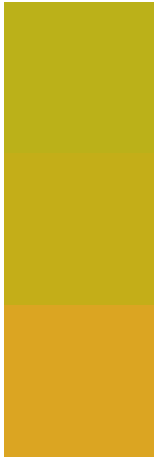


This preview shows how white text looks on a background with the CIELCh color 71, 70.248, 99.513.

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

71, 70.248, 99.513

Protanopia

71, 70.092, 94.999

Deuteranopia

71, 68.953, 82.491



Tritanopia
71, 14.394, 351.339

Trichromacy



Original Color
71, 70.248, 99.513

Protanomaly
71, 70.156, 96.510

Deuteranomaly
71, 68.475, 88.706

Tritanomaly
70, 27.717, 85.173

Monochromacy



Original Color
71, 70.248, 99.513

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 29.842, 103.828

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 70.248, 99.513 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, 177, 25)` looks like.

```
.text, #text, p{  
    color:rgb(187, 177, 25)  
}
```

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, 177, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 177, 25) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 70.248, 99.513 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, 177, 25) }
```

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

```
.border{ border-color:rgb(187, 177, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 177, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 177, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 177, 25);  
box-shadow:4px 4px 4px 4px rgb(187, 177,  
25) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 70.248, 99.513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 177, 25) }
```

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

```
.background{ background-color: rgb(187,  
177, 25) }
```

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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