

Converting Colors

CIELCh(72, 10.751, 19.471)

Have a look what the booklet for
CIELCh(72, 10.751, 19.471) contains.

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Color

CIELCh(72, 10.831, 20.305)

Conversions

Conversions Part 1

Format	Color
Hex	C6AAAA
RGB	198, 170, 170
RGB Percent	78%, 67%, 67%
CMY	0.2235, 0.3333, 0.3333
CMYK	0.00, 0.14, 0.14, 0.22
HSL	0°, 20%, 72%
HSV	0°, 14%, 78%
XYZ	44.9205, 43.6590, 44.0912
YIQ	178.3720, 16.6880, 5.9360

Conversions

Conversions Part 2

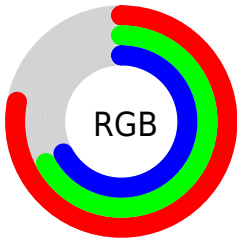
Format	Color
R _Y B	198, 170, 170
Decimal	13019818
CIE Lab	72.00, 10.16, 3.76
CIE LCh	72, 10.831, 20.305
Yxy	43.6590, 0.3386, 0.3291
Android (android.graphics.Color)	4291209898 (0xFFC6AAAA)
YUV	178.3720, -4.1274, 17.2138
Hunter-Lab	66.0750, 5.7205, 6.6888

Details

The CIELCh color $72, 10.831, 20.305$ is a light color, and the websafe version is hex `CC9999`. A complement of this color would be $78, 9.895, 198.717$, and the grayscale version is $73, 0.009, 296.813$.

A 20% lighter version of the original color is $92, 10.970, 20.126$, and $52, 10.813, 20.605$ is the 20% darker color. If you saturate the color by 10%, you get $67, 19.220, 21.243$, and if you desaturate by 10%, it is $78, 3.049, 19.485$.

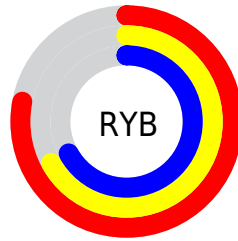
Distribution



Red (78%)

Green (67%)

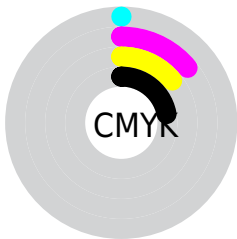
Blue (67%)



Red (78%)

Yellow (67%)

Blue (67%)

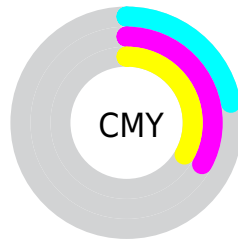


Cyan (0%)

Magenta (14%)

Yellow (14%)

Black (22%)



Cyan (22%)

Magenta (33%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 10.831, 20.305 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, 10.831, 20.305 by changing the saturation by 10% instead.

72, 10.831, 20.305

72, 10.831, 20.305

100, 10.831,
20.305

62, 10.831, 20.305

92, 10.831, 20.305

52, 10.831, 20.305

42, 10.831, 20.305

32, 10.831, 20.305

22, 10.831, 20.305

12, 10.831, 20.305

2, 10.831, 20.305

0, 10.831, 20.305

72, 10.831, 20.305

72, 10.831, 20.305

67, 19.220, 21.243

78, 3.049, 19.485

61, 28.209, 22.432

83, 4.147, 199.249

57, 37.722, 23.982

89, 10.806,
198.735

52, 47.600, 26.000

95, 16.982,
198.371

48, 57.586, 28.587

45, 67.323, 31.770

96, 18.709,
198.269

43, 76.264, 35.328

42, 83.256, 38.487

41, 86.437, 40.001

Harmonies

Complementary

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



72, 10.831, 20.305



78, 9.895, 198.717

Rectangle

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



72, 10.831, 20.305



72, 10.831, 70.305



72, 10.831, 200.305



72, 10.831, 250.305

Sweetspot

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



72, 10.829, 20.315



97, 3.616, 19.476



73, 18.384, 325.199



51, 2.578, 19.553



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



72, 10.829, 20.315



88, 16.184, 20.582



76, 9.263, 73.661



39, 4.278, 19.933



34, 74.643, 39.778



3, 15.883, 19.411

Inverse Universe

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



78, 9.895, 198.717



97, 14.476, 198.552



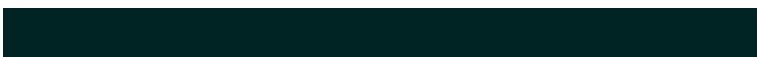
74, 8.941, 257.364



41, 4.034, 198.990



61, 35.882, 196.405



12, 12.982, 196.401

Previews

White Background



This preview shows how the CIELCh color 72, 10.831, 20.305 looks on a white background.

Color Contrast Check

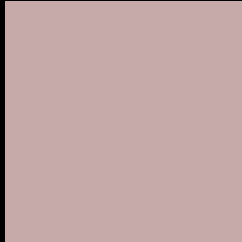
Large Text (above 18pt) WCAG AA × Fail

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, 10.831, 20.305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

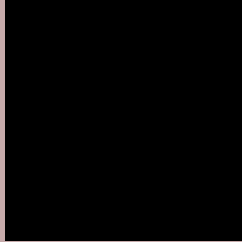
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 10.831, 20.305

Background



This preview shows how black text looks on a background with the CIELCh color 72, 10.831, 20.305.



This preview shows how white text looks on a background with the CIELCh color 72, 10.831, 20.305.

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, 10.831, 20.305

Protanopia

72, 2.207, 66.718

Deuteranopia

72, 9.673, 23.385



Tritanopia
72, 13.690, 349.646

Trichromacy



Original Color
72, 10.831, 20.305

Protanomaly
72, 5.073, 32.041

Deuteranomaly
72, 10.067, 23.294

Tritanomaly
72, 12.236, 359.764

Monochromacy



Original Color
72, 10.831, 20.305

Achromatopsia
73, 0.009, 296.813

Achromatomaly
72, 3.785, 19.595

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 10.831, 20.305 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(198, 170, 170)` looks like.

```
.text, #text, p{  
    color:rgb(198, 170, 170)  
}
```

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(198, 170, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 170, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 10.831, 20.305 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(198, 170, 170) }
```

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

```
.border{ border-color:rgb(198, 170, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 170, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 170, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 170, 170);  
box-shadow:4px 4px 4px 4px rgb(198, 170,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 10.831, 20.305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 170, 170) }
```

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

```
.background{ background-color: rgb(198,  
170, 170) }
```

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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