

Converting Colors

CIELCh(72, 13.227, 20.530)

Have a look what the booklet for
CIELCh(72, 13.227, 20.530) contains.

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Color

CIELCh(72, 12.829, 20.494)

Conversions

Conversions Part 1

Format	Color
Hex	CAA9A9
RGB	202, 169, 169
RGB Percent	79%, 66%, 66%
CMY	0.2089, 0.3382, 0.3382
CMYK	0.00, 0.16, 0.16, 0.21
HSL	0°, 24%, 73%
HSV	0°, 16%, 79%
XYZ	45.5669, 43.6590, 43.4392
YIQ	178.8670, 19.6680, 6.9960

Conversions

Conversions Part 2

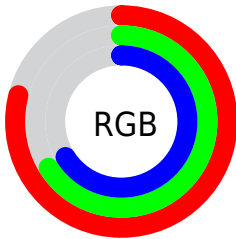
Format	Color
R _Y B	202, 169, 169
Decimal	13281705
CIE Lab	72.00, 12.02, 4.49
CIE LCh	72, 12.829, 20.494
Yxy	43.6590, 0.3435, 0.3291
Android (android.graphics.Color)	4291471785 (0xFFCAA9A9)
YUV	178.8670, -4.8644, 20.2876
Hunter-Lab	66.0750, 7.4666, 7.2739

Details

The CIELCh color $72, 12.829, 20.494$ is a light color, and the websafe version is hex `CC9999`. A complement of this color would be $79, 11.544, 198.596$, and the grayscale version is $73, 0.009, 296.813$.

A 20% lighter version of the original color is $92, 11.354, 20.158$, and $52, 12.972, 20.869$ is the 20% darker color. If you saturate the color by 10%, you get $67, 21.486, 21.482$, and if you desaturate by 10%, it is $78, 4.791, 19.688$.

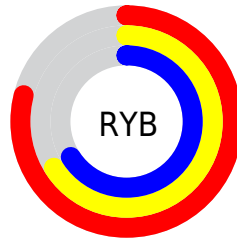
Distribution



Red (79%)

Green (66%)

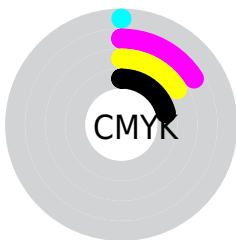
Blue (66%)



Red (79%)

Yellow (66%)

Blue (66%)

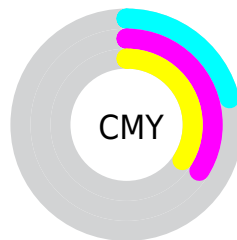


Cyan (0%)

Magenta (16%)

Yellow (16%)

Black (21%)



Cyan (21%)

Magenta (34%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 12.829, 20.494 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, 12.829, 20.494 by changing the saturation by 10% instead.

72, 12.829, 20.494

72, 12.829, 20.494

100, 12.829,
20.494

62, 12.829, 20.494

92, 12.829, 20.494

52, 12.829, 20.494

42, 12.829, 20.494

32, 12.829, 20.494

22, 12.829, 20.494

12, 12.829, 20.494

2, 12.829, 20.494

0, 12.829, 20.494

72, 12.829, 20.494

72, 12.829, 20.494

67, 21.486, 21.482

78, 4.791, 19.688

61, 30.742, 22.745

83, 2.643, 199.435

56, 40.502, 24.393

89, 9.520, 198.827

52, 50.583, 26.535

95, 15.893,
198.441

48, 60.700, 29.266

97, 17.568,
198.342

45, 70.461, 32.573

43, 79.222, 36.139

42, 85.629, 39.046

42, 87.655, 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, 12.829, 20.494



79, 11.544, 198.596

Rectangle

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



72, 12.829, 20.494



72, 12.829, 70.494



72, 12.829, 200.494



72, 12.829, 250.494

Sweetspot

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



72, 12.827, 20.503



97, 4.538, 19.575



73, 21.602, 325.322



51, 3.105, 19.639



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, 12.827, 20.503



86, 19.267, 20.859



76, 10.933, 73.391



40, 4.369, 19.933



34, 75.552, 39.824



4, 17.909, 19.410

Inverse Universe

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



79, 11.544, 198.596



97, 16.870, 198.395



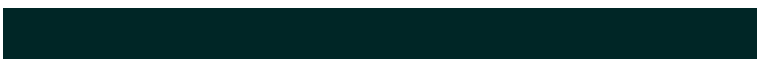
74, 10.485, 257.703



42, 4.119, 198.986



62, 36.296, 196.402



13, 13.512, 196.398

Previews

White Background



This preview shows how the CIELCh color 72, 12.829, 20.494 looks on a white background.

Color Contrast Check

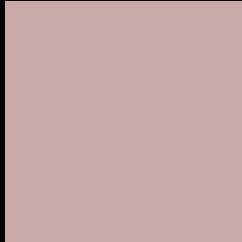
Large Text (above 18pt) WCAG AA × Fail

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, 12.829, 20.494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

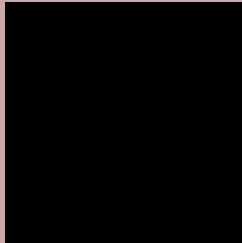
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 12.829, 20.494

Background



This preview shows how black text looks on a background with the CIELCh color 72, 12.829, 20.494.



This preview shows how white text looks on a background with the CIELCh color 72, 12.829, 20.494.

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, 12.829, 20.494

Protanopia

72, 2.481, 60.266

Deuteranopia

72, 10.229, 29.314



Tritanopia
72, 15.377, 353.572

Trichromacy



Original Color
72, 12.829, 20.494

Protanomaly
72, 6.222, 29.855

Deuteranomaly
72, 11.331, 25.792

Tritanomaly
72, 14.083, 2.793

Monochromacy



Original Color
72, 12.829, 20.494

Achromatopsia
73, 0.009, 296.813

Achromatomaly
72, 4.551, 19.682

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 12.829, 20.494 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(202, 169, 169)` looks like.

```
.text, #text, p{  
    color:rgb(202, 169, 169)  
}
```

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(202, 169, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 169, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 12.829, 20.494 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(202, 169, 169) }
```

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

```
.border{ border-color:rgb(202, 169, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 169, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 169, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 169, 169);  
box-shadow:4px 4px 4px 4px rgb(202, 169,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 12.829, 20.494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 169, 169) }
```

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

```
.background{ background-color: rgb(202,  
169, 169) }
```

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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