

Converting Colors

CIELCh(73, 29.453, 308.480)

Have a look what the booklet for
CIELCh(73, 29.453, 308.480)
contains.

CIELCh(73, 28.961, 308.505)	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(73, 28.961, 308.505)

Conversions

Conversions Part 1

Format	Color
Hex	C1AADD
RGB	193, 170, 221
RGB Percent	76%, 67%, 87%
CMY	0.2441, 0.3343, 0.1344
CMYK	0.13, 0.23, 0.00, 0.13
HSL	267°, 43%, 77%
HSV	267°, 23%, 87%
XYZ	49.2693, 45.1644, 74.3422
YIQ	182.6910, -2.6630, 20.7370

Conversions

Conversions Part 2

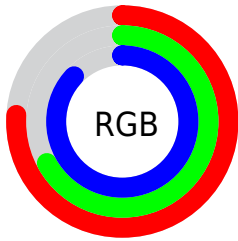
Format	Color
RYB	193, 170, 221
Decimal	12692189
CIELab	73.00, 18.03, -22.66
CIELCh	73, 28.961, 308.505
Yxy	45.1644, 0.2919, 0.2676
Android (android.graphics.Color)	4290882269 (0xFFC1AADD)
YUV	182.6910, 18.8863, 9.0410
Hunter-Lab	67.2044, 13.2550, -18.5441

Details

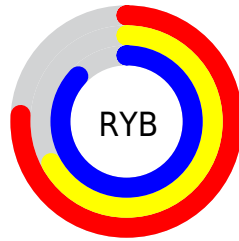
The CIELCh color $73, 28.961, 308.505$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $85, 27.954, 126.234$, and the grayscale version is $74, 0.009, 296.813$.

A 20% lighter version of the original color is $92, 17.859, 320.324$, and $53, 28.904, 308.357$ is the 20% darker color. If you saturate the color by 10%, you get $67, 42.052, 309.088$, and if you desaturate by 10%, it is $79, 16.182, 307.961$.

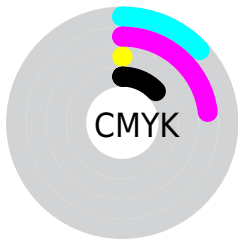
Distribution



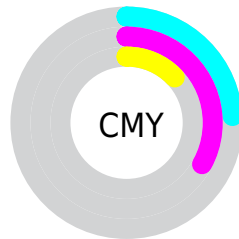
- Red (76%)
- Green (67%)
- Blue (87%)



- Red (76%)
- Yellow (67%)
- Blue (87%)



- Cyan (13%)
- Magenta (23%)
- Yellow (0%)
- Black (13%)





- Cyan (24%)
- Magenta (33%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 28.961, 308.505 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 73, 28.961, 308.505 by changing the saturation by 10% instead.


 73, 28.961,
308.505

 73, 28.961,
308.505


 100, 28.961,
308.505


 63, 28.961,
308.505


 93, 28.961,
308.505

 53, 28.961,
308.505

 43, 28.961,
308.505

 33, 28.961,
308.505

 23, 28.961,
308.505

 13, 28.961,
308.505

 3, 28.961, 308.505

0, 28.961, 308.505

73, 28.961,
308.505

73, 28.961,
308.505

67, 42.052,
309.088

79, 16.182,
307.961

60, 55.344,
309.696

86, 3.775, 307.449

54, 68.613,
310.296

93, 8.244, 127.053

48, 81.466,
310.834

98, 18.108,
124.914

43, 93.269,
311.226

99, 17.345,
110.877

39, 103.127,
311.355

99, 17.329,
108.867

■ 35, 110.061,
311.091

■ 34, 113.231,
310.710

Harmonies

Complementary

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



73, 28.961, 308.505



85, 27.954, 126.234

Rectangle

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



73, 28.961, 308.505



73, 28.961, 358.505



73, 28.961, 128.505



73, 28.961, 178.505

Sweetspot

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



73, 28.959, 308.504



95, 9.636, 307.653



78, 15.209, 253.081



50, 6.267, 307.684



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



73, 28.959, 308.504



80, 39.745, 308.799



75, 32.400, 324.281



43, 6.939, 307.773



26, 94.386, 310.891



3, 30.897, 307.477

Inverse Universe

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



75, 24.122, 343.049



82, 32.943, 343.555



84, 32.314, 141.682



43, 5.829, 341.809



37, 64.245, 357.232



6, 25.630, 350.991

Previews

White Background



This preview shows how the CIELCh color 73, 28.961, 308.505 looks on a white background.

Color Contrast Check

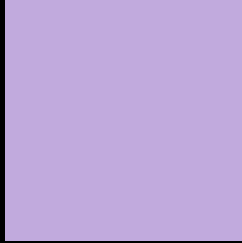
Large Text (above 18pt) WCAG AA × Fail

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 73, 28.961, 308.505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

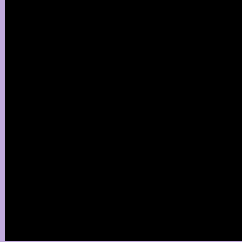
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 73, 28.961, 308.505

Background



This preview shows how black text looks on a background with the CIELCh color 73, 28.961, 308.505.



This preview shows how white text looks on a background with the CIELCh color 73, 28.961, 308.505.

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
73, 28.961, 308.505

Protanopia
73, 26.726, 285.688

Deuteranopia
73, 24.488, 293.284



Tritanopia
73, 9.038, 322.853

Trichromacy



Original Color
73, 28.961, 308.505

Protanomaly
73, 27.234, 294.149

Deuteranomaly
73, 25.827, 299.362

Tritanomaly
73, 16.483, 313.300

Monochromacy



Original Color
73, 28.961, 308.505

Achromatopsia
74, 0.009, 296.813

Achromatomaly
74, 10.229, 307.529

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 28.961, 308.505 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(193, 170, 221)` looks like.

```
.text, #text, p{  
    color:rgb(193, 170, 221)  
}
```

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(193, 170, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 170, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 28.961, 308.505 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(193, 170, 221) }
```

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

```
.border{ border-color:rgb(193, 170, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 170, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 170, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 170, 221);  
box-shadow:4px 4px 4px 4px rgb(193, 170,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 28.961, 308.505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 170, 221) }
```

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

```
.background{ background-color: rgb(193,  
170, 221) }
```

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