

Converting Colors

CIELCh(72, 38.221, 308.258)

Have a look what the booklet for
CIELCh(72, 38.221, 308.258)
contains.

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Color

CIELCh(72, 37.945, 308.244)

Conversions

Conversions Part 1

Format	Color
Hex	C1A4E7
RGB	193, 164, 231
RGB Percent	76%, 64%, 91%
CMY	0.2431, 0.3568, 0.0941
CMYK	0.16, 0.29, 0.00, 0.09
HSL	266°, 58%, 77%
HSV	266°, 29%, 91%
XYZ	49.6927, 43.6590, 81.4109
YIQ	180.3090, -4.2230, 26.9850

Conversions

Conversions Part 2

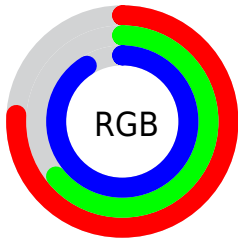
Format	Color
R_{YB}	193, 164, 231
Decimal	12690663
CIE _{Lab}	72.00, 23.49, -29.80
CIE _{LCh}	72, 37.945, 308.244
Yxy	43.6590, 0.2843, 0.2498
Android (android.graphics.Color)	4290880743 (0xFFC1A4E7)
YUV	180.3090, 24.9907, 11.1300
Hunter-Lab	66.0750, 18.6125, -26.7987

Details

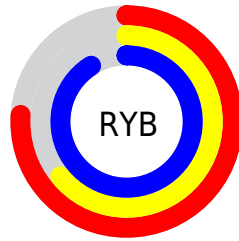
The CIELCh color $72, 37.945, 308.244$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $88, 36.202, 125.263$, and the grayscale version is $73, 0.009, 296.813$.

A 20% lighter version of the original color is $91, 21.636, 321.259$, and $52, 37.872, 308.499$ is the 20% darker color. If you saturate the color by 10%, you get $65, 51.668, 308.870$, and if you desaturate by 10%, it is $79, 24.503, 307.656$.

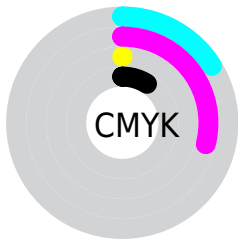
Distribution



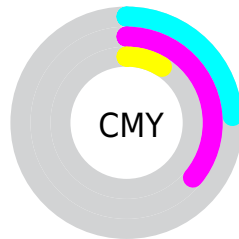
- Red (76%)
- Green (64%)
- Blue (91%)



- Red (76%)
- Yellow (64%)
- Blue (91%)



- Cyan (16%)
- Magenta (29%)
- Yellow (0%)
- Black (9%)



- Cyan (24%)
- Magenta (36%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 37.945, 308.244 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, 37.945, 308.244 by changing the saturation by 10% instead.


 72, 37.945,
308.244

 72, 37.945,
308.244


 100, 37.945,
308.244


 62, 37.945,
308.244


 92, 37.945,
308.244

 52, 37.945,
308.244

 42, 37.945,
308.244

 32, 37.945,
308.244

 22, 37.945,
308.244

 12, 37.945,
308.244

 2, 37.945, 308.244

0, 37.945, 308.244

72, 37.945,
308.244

72, 37.945,
308.244

65, 51.668,
308.870

79, 24.503,
307.656

59, 65.504,
309.509

86, 11.433,
307.115

53, 79.131,
310.117

92, 1.234, 126.729

47, 91.999,
310.620

99, 12.672,
125.027

42, 103.269,
310.911

99, 12.145,
109.259

38, 111.881,
310.852

■ 35, 117.200,
310.372

■ 35, 117.663,
310.322

Harmonies

Complementary

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



72, 37.945, 308.244



88, 36.202, 125.263

Rectangle

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



72, 37.945, 308.244



72, 37.945, 358.244



72, 37.945, 128.244



72, 37.945, 178.244

Sweetspot

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



72, 37.943, 308.244



93, 12.384, 307.117



80, 19.178, 250.031



49, 8.625, 307.193



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, 37.943, 308.244



74, 50.011, 308.628



75, 41.832, 323.609



45, 7.180, 307.138



26, 96.827, 310.506



4, 35.215, 308.661

Inverse Universe

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



75, 31.867, 342.687



78, 41.648, 343.326



86, 41.633, 140.393



45, 6.128, 340.903



39, 66.020, 355.686



7, 28.392, 350.031

Previews

White Background



This preview shows how the CIELCh color 72, 37.945, 308.244 looks on a white background.

Color Contrast Check

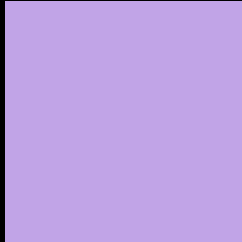
Large Text (above 18pt) WCAG AA × Fail

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, 37.945, 308.244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

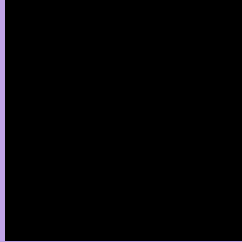
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 37.945, 308.244

Background



This preview shows how black text looks on a background with the CIELCh color 72, 37.945, 308.244.



This preview shows how white text looks on a background with the CIELCh color 72, 37.945, 308.244.

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, 37.945, 308.244

Protanopia

72, 35.562, 285.539

Deuteranopia

72, 29.986, 288.092



Tritanopia
72, 8.400, 322.676

Trichromacy



Original Color
72, 37.945, 308.244

Protanomaly
72, 36.014, 294.088

Deuteranomaly
72, 32.837, 296.688

Tritanomaly
72, 18.682, 311.903

Monochromacy



Original Color
72, 37.945, 308.244

Achromatopsia
73, 0.009, 296.813

Achromatomaly
73, 14.227, 307.547

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 37.945, 308.244 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, 164, 231)` looks like.

```
.text, #text, p{  
    color:rgb(193, 164, 231)  
}
```

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, 164, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 164, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 37.945, 308.244 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, 164, 231) }
```

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

```
.border{ border-color:rgb(193, 164, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 164, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 164, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 164, 231);  
box-shadow:4px 4px 4px 4px rgb(193, 164,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 37.945, 308.244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 164, 231) }
```

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

```
.background{ background-color: rgb(193,  
164, 231) }
```

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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