

Converting Colors

CIELCh(72, 36.494, 290.674)

Have a look what the booklet for
CIELCh(72, 36.494, 290.674)
contains.

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Color

CIELCh(72, 36.494, 290.674)

Conversions

Conversions Part 1

Format	Color
Hex	A6ACEF
RGB	166, 172, 239
RGB Percent	65%, 67%, 94%
CMY	0.3504, 0.3268, 0.0641
CMYK	0.31, 0.28, 0.00, 0.06
HSL	235°, 69%, 79%
HSV	235°, 31%, 94%
XYZ	45.8705, 43.6590, 87.3946
YIQ	177.8440, -25.0830, 19.5650

Conversions

Conversions Part 2

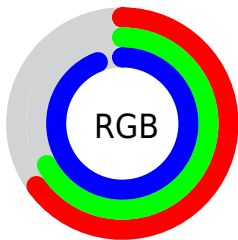
Format	Color
R _Y B	166, 172, 239
Decimal	10923247
CIE Lab	72.00, 12.88, -34.14
CIE LCh	72, 36.494, 290.674
Yxy	43.6590, 0.2593, 0.2468
Android (android.graphics.Color)	4289113327 (0xFFA6ACEF)
YUV	177.8440, 30.1499, -10.3872
Hunter-Lab	66.0750, 8.2868, -32.1679

Details

The CIELCh color $72, 36.494, 290.674$ is a light color, and the websafe version is hex `9999CC`. A complement of this color would be $91, 34.304, 103.428$, and the grayscale version is $72, 0.009, 296.813$.

A 20% lighter version of the original color is $91, 14.602, 284.727$, and $52, 36.565, 290.663$ is the 20% darker color. If you saturate the color by 10%, you get $65, 49.407, 292.476$, and if you desaturate by 10%, it is $79, 24.089, 289.134$.

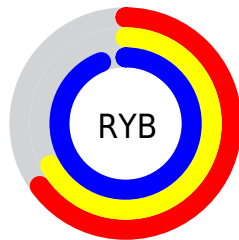
Distribution



Red (65%)

Green (67%)

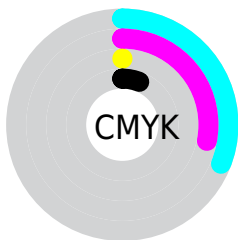
Blue (94%)



Red (65%)

Yellow (67%)

Blue (94%)

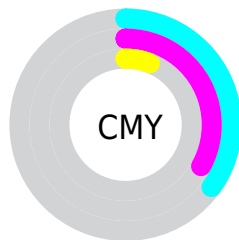


Cyan (31%)

Magenta (28%)

Yellow (0%)

Black (6%)



Cyan (35%)


Magenta (33%)


Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 36.494, 290.674 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, 36.494, 290.674 by changing the saturation by 10% instead.


 72, 36.494,
290.674


 72, 36.494,
290.674


 100, 36.494,
290.674


 62, 36.494,
290.674


 92, 36.494,
290.674

 52, 36.494,
290.674

 42, 36.494,
290.674

 32, 36.494,
290.674

 22, 36.494,
290.674

 12, 36.494,
290.674

 2, 36.494, 290.674

■ 0, 36.494, 290.674

■ 72, 36.494,
290.674

■ 72, 36.494,
290.674

■ 65, 49.407,
292.476

■ 79, 24.089,
289.134

■ 58, 62.846,
294.557

■ 87, 12.160,
287.828

■ 51, 76.746,
296.899

■ 94, 0.668, 286.872

■ 44, 90.830,
299.410

■ 100, 8.279,
109.549

■ 38, 104.375,
301.896

■ 34, 115.978,
304.053

■ 31, 123.549,
305.468

Harmonies

Complementary

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



72, 36.494, 290.674



91, 34.304, 103.428

Rectangle

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



72, 36.494, 290.674



72, 36.494, 340.674



72, 36.494, 110.674



72, 36.494, 160.674

Sweetspot

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



72, 36.493, 290.674



93, 10.883, 287.645



90, 24.143, 190.249



49, 7.582, 287.818



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, 36.493, 290.674



72, 47.202, 291.823



73, 41.084, 307.806



46, 6.540, 287.697



23, 100.696, 305.245



3, 35.646, 297.275

Inverse Universe

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



75, 28.820, 15.710



76, 37.500, 16.712



91, 39.022, 124.574



47, 5.013, 13.289



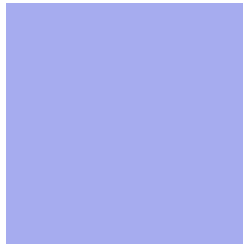
38, 78.261, 36.684



8, 29.425, 20.479

Previews

White Background



This preview shows how the CIELCh color 72, 36.494, 290.674 looks on a white background.

Color Contrast Check

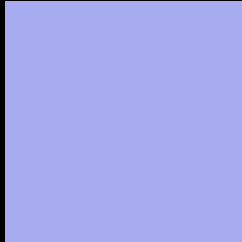
Large Text (above 18pt) WCAG AA × Fail

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, 36.494, 290.674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

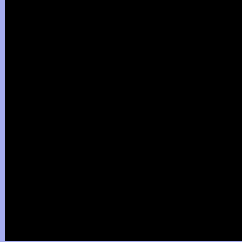
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 36.494, 290.674

Background



This preview shows how black text looks on a background with the CIELCh color 72, 36.494, 290.674.



This preview shows how white text looks on a background with the CIELCh color 72, 36.494, 290.674.

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, 36.494, 290.674

Protanopia

72, 36.128, 285.261

Deuteranopia

72, 34.997, 285.833



Tritanopia
72, 11.144, 242.283

Trichromacy



Original Color
72, 36.494, 290.674

Protanomaly
72, 36.581, 287.328

Deuteranomaly
72, 35.484, 287.490

Tritanomaly
72, 18.687, 274.098

Monochromacy



Original Color
72, 36.494, 290.674

Achromatopsia
73, 0.009, 296.813

Achromatomaly
72, 13.070, 288.352

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 36.494, 290.674 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(166, 172, 239)` looks like.

```
.text, #text, p{  
    color:rgb(166, 172, 239)  
}
```

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(166, 172, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 172, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 36.494, 290.674 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(166, 172, 239) }
```

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

```
.border{ border-color:rgb(166, 172, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 172, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 172, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 172, 239);  
box-shadow:4px 4px 4px 4px rgb(166, 172,  
239) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 36.494, 290.674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 172, 239) }
```

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

```
.background{ background-color: rgb(166,  
172, 239) }
```

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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