

Converting Colors

CIELCh(73, 45.349, 298.624)

Have a look what the booklet for
CIELCh(73, 45.349, 298.624)
contains.

CIELCh(73, 45.349, 298.624)	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, 45.349, 298.624)

Conversions

Conversions Part 1

Format	Color
Hex	B4A9FC
RGB	180, 169, 252
RGB Percent	71%, 66%, 99%
CMY	0.2937, 0.3368, 0.0113
CMYK	0.29, 0.33, 0.00, 0.01
HSL	248°, 93%, 83%
HSV	248°, 33%, 99%
XYZ	50.6413, 45.1644, 98.2338
YIQ	181.7510, -20.0870, 28.1450

Conversions

Conversions Part 2

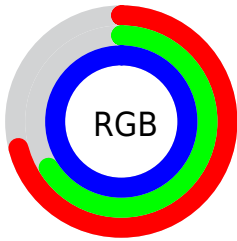
Format	Color
RYB	180, 169, 252
Decimal	11839996
CIELab	73.00, 21.72, -39.81
CIELCh	73, 45.349, 298.624
Yxy	45.1644, 0.2610, 0.2328
Android (android.graphics.Color)	4290030076 (0xFFB4A9FC)
YUV	181.7510, 34.6328, -1.5356
Hunter-Lab	67.2044, 16.8992, -39.6221

Details

The CIELCh color $73, 45.349, 298.624$ is a light color, and the websafe version is hex $9999FF$. A complement of this color would be $97, 41.885, 112.821$, and the grayscale version is $74, 0.009, 296.813$.

A 20% lighter version of the original color is $91, 16.770, 306.810$, and $53, 45.271, 298.550$ is the 20% darker color. If you saturate the color by 10%, you get $65, 60.304, 299.945$, and if you desaturate by 10%, it is $81, 30.940, 297.466$.

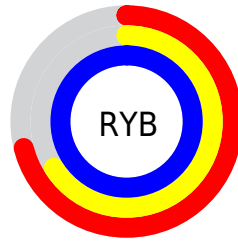
Distribution



Red (71%)

Green (66%)

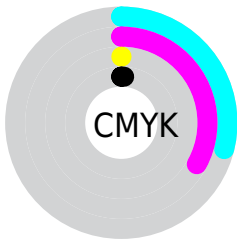
Blue (99%)



Red (71%)

Yellow (66%)

Blue (99%)

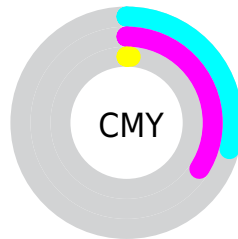


Cyan (29%)

Magenta (33%)

Yellow (0%)

Black (1%)



Cyan (29%)


Magenta (34%)


Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 45.349, 298.624 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, 45.349, 298.624 by changing the saturation by 10% instead.


 73, 45.349,
298.624


 73, 45.349,
298.624


 100, 45.349,
298.624


 63, 45.349,
298.624


 93, 45.349,
298.624

 53, 45.349,
298.624

 43, 45.349,
298.624

 33, 45.349,
298.624

 23, 45.349,
298.624

 13, 45.349,
298.624

 3, 45.349, 298.624

■ 0, 45.349, 298.624

■ 73, 45.349,
298.624

■ 73, 45.349,
298.624

■ 65, 60.304,
299.945

■ 81, 30.940,
297.466

■ 57, 75.704,
301.414

■ 89, 17.098,
296.466

■ 50, 91.231,
302.974

■ 97, 3.801, 295.611

■ 44, 106.159,
304.497

■ 100, 1.455,
110.016

■ 38, 119.105,
305.763

■ 34, 128.143,
306.501

■ 33,131.799,
306.693

Harmonies

Complementary

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



73, 45.349, 298.624



97, 41.885, 112.821

Rectangle

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



73, 45.349, 298.624



73, 45.349, 348.624



73, 45.349, 118.624



73, 45.349, 168.624

Sweetspot

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



73, 45.347, 298.624



92, 13.277, 296.202



91, 23.488, 210.433



48, 9.083, 296.328



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, 45.347, 298.624



68, 56.399, 299.545



77, 47.801, 314.497



48, 7.417, 296.157



23, 105.876, 306.775



4, 42.394, 303.615

Inverse Universe

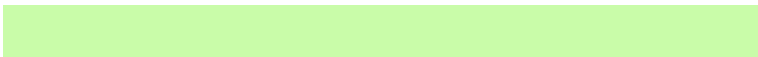
The Inverse Universe completely reimagines the original color for something new.



79, 47.529, 330.280



76, 57.891, 330.722



94, 46.211, 131.500



49, 8.131, 328.822



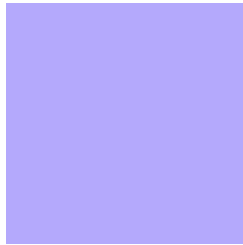
43, 83.057, 334.335



11, 38.070, 333.466

Previews

White Background



This preview shows how the CIELCh color 73, 45.349, 298.624 looks on a white background.

Color Contrast Check

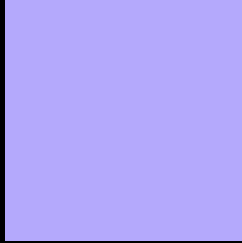
Large Text (above 18pt) WCAG AA × Fail

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 73, 45.349, 298.624 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

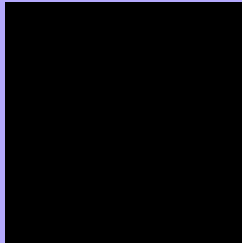
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 73, 45.349, 298.624

Background



This preview shows how black text looks on a background with the CIELCh color 73, 45.349, 298.624.



This preview shows how white text looks on a background with the CIELCh color 73, 45.349, 298.624.

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, 45.349, 298.624

Protanopia

73, 43.111, 285.552

Deuteranopia

73, 39.903, 284.395



Tritanopia
73, 8.948, 265.126

Trichromacy



Original Color
73, 45.349, 298.624

Protanomaly
73, 44.023, 290.377

Deuteranomaly
73, 41.838, 289.925

Tritanomaly
73, 21.754, 289.581

Monochromacy



Original Color
73, 45.349, 298.624

Achromatopsia
74, 0.009, 296.813

Achromatomaly
73, 16.384, 296.626

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 45.349, 298.624 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(180, 169, 252)` looks like.

```
.text, #text, p{  
    color:rgb(180, 169, 252)  
}
```

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(180, 169, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 169, 252) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 45.349, 298.624 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(180, 169, 252) }
```

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

```
.border{ border-color:rgb(180, 169, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 169, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 169, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 169, 252);  
box-shadow:4px 4px 4px 4px rgb(180, 169,  
252) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 45.349, 298.624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 169, 252) }
```

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

```
.background{ background-color: rgb(180,  
169, 252) }
```

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