

Converting Colors

CIELCh(76, 39.436, 295.998)

Have a look what the booklet for
CIELCh(76, 39.436, 295.998)
contains.

CIELCh(76, 39.436, 295.998)	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(76, 39.436, 295.998)

Conversions

Conversions Part 1

Format	Color
Hex	B9B4FD
RGB	185, 180, 253
RGB Percent	73%, 71%, 99%
CMY	0.2756, 0.2952, 0.0090
CMYK	0.27, 0.29, 0.00, 0.01
HSL	244°, 94%, 85%
HSV	244°, 29%, 99%
XYZ	53.8914, 49.8872, 99.4762
YIQ	189.8170, -20.4530, 23.7630

Conversions

Conversions Part 2

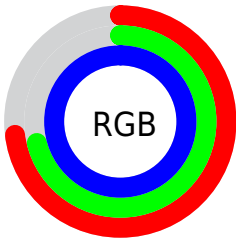
Format	Color
R _Y B	185, 180, 253
Decimal	12170493
CIE Lab	76.00, 17.29, -35.45
CIE LCh	76, 39.436, 295.998
Yxy	49.8872, 0.2651, 0.2454
Android (android.graphics.Color)	4290360573 (0xFFB9B4FD)
YUV	189.8170, 31.1492, -4.2245
Hunter-Lab	70.6309, 12.5916, -34.0621

Details

The CIELCh color $76, 39.436, 295.998$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $97, 36.768, 110.356$, and the grayscale version is $77, 0.009, 296.813$.

A 20% lighter version of the original color is $94, 10.036, 302.817$, and $56, 39.576, 296.032$ is the 20% darker color. If you saturate the color by 10%, you get $68, 54.220, 297.446$, and if you desaturate by 10%, it is $84, 25.246, 294.750$.

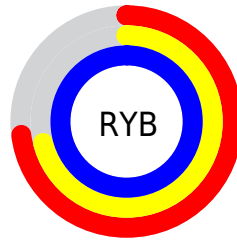
Distribution



Red (73%)

Green (71%)

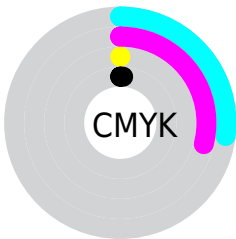
Blue (99%)



Red (73%)

Yellow (71%)

Blue (99%)

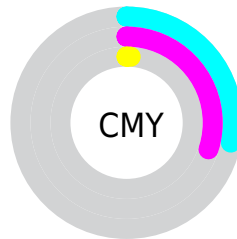


Cyan (27%)

Magenta (29%)

Yellow (0%)

Black (1%)



Cyan (28%)


Magenta (30%)


Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 39.436, 295.998 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 76, 39.436, 295.998 by changing the saturation by 10% instead.


 76, 39.436,
295.998


 76, 39.436,
295.998


 100, 39.436,
295.998


 66, 39.436,
295.998


 96, 39.436,
295.998

 56, 39.436,
295.998

 46, 39.436,
295.998

 36, 39.436,
295.998

 26, 39.436,
295.998

 16, 39.436,
295.998

 6, 39.436, 295.998

■ 0, 39.436, 295.998

■ 76, 39.436,
295.998

■ 76, 39.436,
295.998

■ 68, 54.220,
297.446

■ 84, 25.246,
294.750

■ 60, 69.564,
299.096

■ 92, 11.637,
293.686

■ 52, 85.279,
300.912

100, 1.149,
110.025

■ 45, 100.835,
302.787

■ 39, 115.071,
304.509

■ 35, 126.051,
305.777

■ 32, 132.075,
306.378

■ 32, 132.581,
306.436

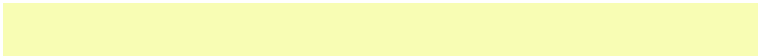
Harmonies

Complementary

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



76, 39.436, 295.998



97, 36.768, 110.356

Rectangle

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



76, 39.436, 295.998



76, 39.436, 345.998



76, 39.436, 115.998



76, 39.436, 165.998

Sweetspot

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



76, 39.434, 295.998



93, 11.887, 293.698



93, 21.914, 204.694



48, 8.283, 293.843



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 39.434, 295.998



72, 48.773, 296.862



79, 41.500, 312.681



49, 7.516, 293.748



23, 107.434, 306.484



4, 44.290, 303.120

Inverse Universe

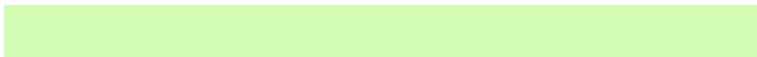
The Inverse Universe completely reimagines the original color for something new.



82, 43.727, 327.987



79, 53.186, 328.337



95, 40.102, 130.038



50, 8.644, 326.856



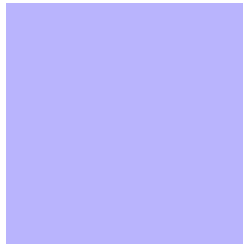
45, 88.208, 331.163



12, 40.844, 330.787

Previews

White Background



This preview shows how the CIELCh color 76, 39.436, 295.998 looks on a white background.

Color Contrast Check

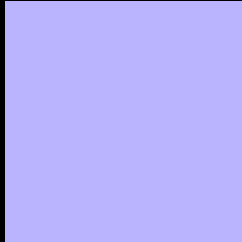
Large Text (above 18pt) WCAG AA × Fail

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 76, 39.436, 295.998 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

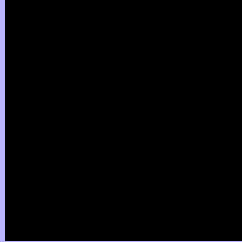
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 39.436, 295.998

Background



This preview shows how black text looks on a background with the CIELCh color 76, 39.436, 295.998.



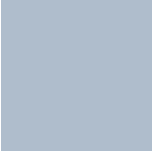
This preview shows how white text looks on a background with the CIELCh color 76, 39.436, 295.998.

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





Tritanopia
76, 9.347, 259.243

Trichromacy



Original Color
76, 39.436, 295.998

Protanomaly
76, 38.281, 289.031

Deuteranomaly
76, 37.185, 289.716

Tritanomaly
76, 19.480, 285.001

Monochromacy



Original Color
76, 39.436, 295.998

Achromatopsia
77, 0.009, 296.813

Achromatomaly
76, 14.571, 294.267

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 39.436, 295.998 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(185, 180, 253)` looks like.

```
.text, #text, p{  
    color:rgb(185, 180, 253)  
}
```

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(185, 180, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 180, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 39.436, 295.998 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(185, 180, 253) }
```

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

```
.border{ border-color:rgb(185, 180, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 180, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 180, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 180, 253);  
box-shadow:4px 4px 4px 4px rgb(185, 180,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 39.436, 295.998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 180, 253) }
```

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

```
.background{ background-color: rgb(185,  
180, 253) }
```

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