

Converting Colors

CIELCh(76, 24.134, 295.604)

Have a look what the booklet for
CIELCh(76, 24.134, 295.604)
contains.

CIELCh(76, 23.801, 295.597)	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, 23.801, 295.597)

Conversions

Conversions Part 1

Format	Color
Hex	BBB7E3
RGB	187, 183, 227
RGB Percent	73%, 72%, 89%
CMY	0.2673, 0.2829, 0.1104
CMYK	0.18, 0.19, 0.00, 0.11
HSL	245°, 44%, 80%
HSV	245°, 19%, 89%
XYZ	51.2015, 49.8872, 79.4892
YIQ	189.2120, -11.7400, 14.5320

Conversions

Conversions Part 2

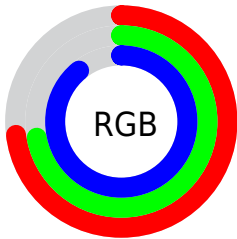
Format	Color
RYB	187, 183, 227
Decimal	12302307
CIELab	76.00, 10.28, -21.47
CIELCh	76, 23.801, 295.597
Yxy	49.8872, 0.2835, 0.2763
Android (android.graphics.Color)	4290492387 (0xFFBBB7E3)
YUV	189.2120, 18.6295, -1.9399
Hunter-Lab	70.6309, 5.7934, -17.2843

Details

The CIELCh color **76, 23.801, 295.597** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **89, 22.766, 112.138**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 8.431, 302.624**, and **56, 24.137, 295.448** is the 20% darker color. If you saturate the color by 10%, you get **69, 36.822, 296.787**, and if you desaturate by 10%, it is **83, 11.300, 294.575**.

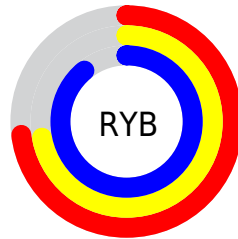
Distribution



Red (73%)

Green (72%)

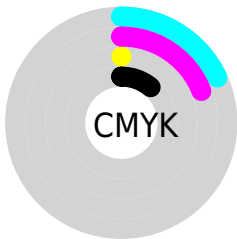
Blue (89%)



Red (73%)

Yellow (72%)

Blue (89%)

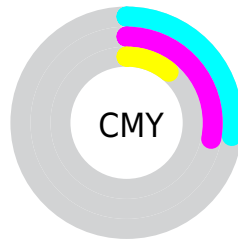


Cyan (18%)

Magenta (19%)

Yellow (0%)

Black (11%)



Cyan (27%)

Magenta (28%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 23.801, 295.597 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, 23.801, 295.597 by changing the saturation by 10% instead.

■ 76, 23.801,
295.597

■ 76, 23.801,
295.597

■ 100, 23.801,
295.597

■ 66, 23.801,
295.597

■ 96, 23.801,
295.597

■ 56, 23.801,
295.597

■ 46, 23.801,
295.597

■ 36, 23.801,
295.597

■ 26, 23.801,
295.597

■ 16, 23.801,
295.597

■ 6, 23.801, 295.597

0, 23.801, 295.597

76, 23.801,
295.597

76, 23.801,
295.597

69, 36.822,
296.787

83, 11.300,
294.575

61, 50.378,
298.163

91, 0.705, 113.653

54, 64.424,
299.722

98, 12.251,
112.952

47, 78.778,
301.428

99, 14.247,
109.101

41, 92.953,
303.178

35, 105.909,
304.775

■ 31, 115.940,
305.935

■ 29, 121.716,
306.495

■ 29, 122.007,
306.529

Harmonies

Complementary

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



76, 23.801, 295.597



89, 22.766, 112.138

Rectangle

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



76, 23.801, 295.597



76, 23.801, 345.597



76, 23.801, 115.597



76, 23.801, 165.597

Sweetspot

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



76, 23.799, 295.596



95, 7.888, 294.269



86, 13.746, 206.602



50, 5.238, 294.327



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, 23.799, 295.596



81, 31.276, 296.022



78, 25.350, 312.768



43, 6.772, 294.580



21, 100.807, 306.590



2, 31.777, 298.031

Inverse Universe

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



79, 26.511, 328.108



86, 34.587, 328.330



87, 24.810, 131.073



44, 7.662, 327.515



41, 81.493, 332.198



7, 33.798, 331.485

Previews

White Background



This preview shows how the CIELCh color 76, 23.801, 295.597 looks on a white background.

Color Contrast Check

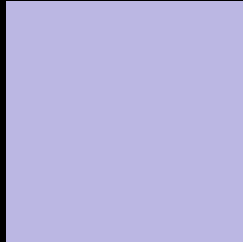
Large Text (above 18pt) WCAG AA × Fail

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, 23.801, 295.597 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

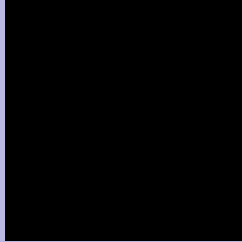
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 23.801, 295.597

Background



This preview shows how black text looks on a background with the CIELCh color 76, 23.801, 295.597.



This preview shows how white text looks on a background with the CIELCh color 76, 23.801, 295.597.

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

76, 23.801, 295.597

Protanopia

76, 23.239, 285.755

Deuteranopia

76, 23.781, 294.787



Tritanopia
76, 8.241, 278.481

Trichromacy



Original Color
76, 23.801, 295.597

Protanomaly
76, 23.177, 289.007

Deuteranomaly
76, 23.781, 294.787

Tritanomaly
76, 14.019, 290.057

Monochromacy



Original Color
76, 23.801, 295.597

Achromatopsia
77, 0.009, 296.813

Achromatomaly
76, 8.629, 293.356

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 23.801, 295.597 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(187, 183, 227)` looks like.

```
.text, #text, p{  
    color:rgb(187, 183, 227)  
}
```

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(187, 183, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 183, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 23.801, 295.597 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(187, 183, 227) }
```

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

```
.border{ border-color:rgb(187, 183, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 183, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 183, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 183, 227);  
box-shadow:4px 4px 4px 4px rgb(187, 183,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 23.801, 295.597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 183, 227) }
```

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

```
.background{ background-color: rgb(187,  
183, 227) }
```

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