

Converting Colors

CIELCh(77, 38.680, 295.750)

Have a look what the booklet for
CIELCh(77, 38.680, 295.750)
contains.

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Color

CIELCh(77, 38.243, 295.472)

Conversions

Conversions Part 1

Format	Color
Hex	BBB7FE
RGB	187, 183, 254
RGB Percent	73%, 72%, 100%
CMY	0.2670, 0.2827, 0.0043
CMYK	0.26, 0.28, 0.00, 0.00
HSL	243°, 97%, 86%
HSV	243°, 28%, 100%
XYZ	55.2589, 51.5317, 100.7182
YIQ	192.2900, -20.4070, 22.9290

Conversions

Conversions Part 2

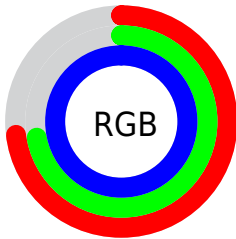
Format	Color
RYB	187, 183, 254
Decimal	12302334
CIELab	77.00, 16.45, -34.53
CIELCh	77, 38.243, 295.472
Yxy	51.5317, 0.2663, 0.2483
Android (android.graphics.Color)	4290492414 (0xFFBBB7FE)
YUV	192.2900, 30.4230, -4.6393
Hunter-Lab	71.7856, 11.7804, -32.9364

Details

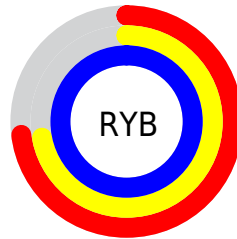
The CIELCh color `77, 38.243, 295.472` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `98, 35.740, 109.909`, and the grayscale version is `78, 0.009, 296.813`.

A 20% lighter version of the original color is `95, 8.431, 302.624`, and `57, 38.290, 295.424` is the 20% darker color. If you saturate the color by 10%, you get `69, 53.032, 296.940`, and if you desaturate by 10%, it is `85, 24.056, 294.211`.

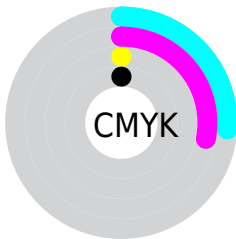
Distribution



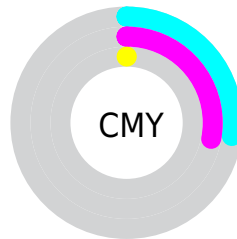
- Red (73%)
- Green (72%)
- Blue (100%)



- Red (73%)
- Yellow (72%)
- Blue (100%)



- Cyan (26%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (28%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 38.243, 295.472 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 77, 38.243, 295.472 by changing the saturation by 10% instead.

 77, 38.243,
295.472

 77, 38.243,
295.472


 100, 38.243,
295.472

 67, 38.243,
295.472


 97, 38.243,
295.472

 57, 38.243,
295.472

 47, 38.243,
295.472

 37, 38.243,
295.472

 27, 38.243,
295.472

 17, 38.243,
295.472

 7, 38.243, 295.472

■ 0, 38.243, 295.472

■ 77, 38.243,
295.472

■ 77, 38.243,
295.472

■ 69, 53.032,
296.940

■ 85, 24.056,
294.211

■ 61, 68.400,
298.620

■ 93, 10.451,
293.138

■ 53, 84.180,
300.480

100, 0.545,
109.995

■ 46, 99.885,
302.419

■ 40, 114.404,
304.230

■ 35, 125.824,
305.608

■ 33, 132.219,
306.294

■ 32, 133.126,
306.403

Harmonies

Complementary

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



77, 38.243, 295.472



98, 35.740, 109.909

Rectangle

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



77, 38.243, 295.472



77, 38.243, 345.472



77, 38.243, 115.472



77, 38.243, 165.472

Sweetspot

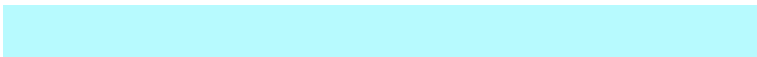
The Sweet Spot groups the original color and five complimentary colors.



77, 38.241, 295.472



94, 10.541, 293.142



94, 21.717, 202.943



49, 7.513, 293.292



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 38.241, 295.472



72, 47.268, 296.334



80, 40.180, 312.088



49, 7.513, 293.292



23, 107.500, 306.446



4, 44.262, 302.886

Inverse Universe

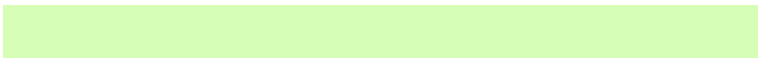
The Inverse Universe completely reimagines the original color for something new.



83, 42.864, 327.572



80, 52.133, 327.913



95, 38.810, 129.512



50, 8.716, 326.504



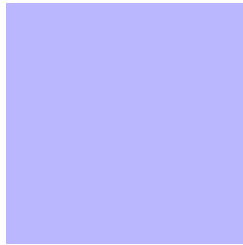
45, 89.054, 330.612



12, 41.188, 330.310

Previews

White Background



This preview shows how the CIELCh color 77, 38.243, 295.472 looks on a white background.

Color Contrast Check

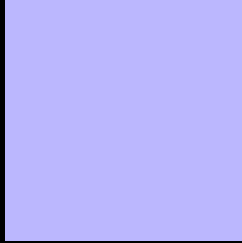
Large Text (above 18pt) WCAG AA × Fail

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 77, 38.243, 295.472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

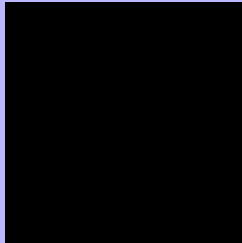
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 38.243, 295.472

Background



This preview shows how black text looks on a background with the CIELCh color 77, 38.243, 295.472.

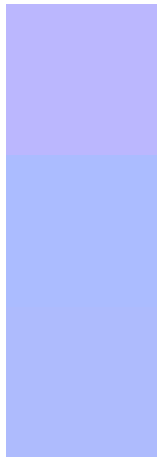


This preview shows how white text looks on a background with the CIELCh color 77, 38.243, 295.472.

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

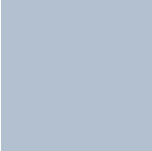
77, 38.243, 295.472

Protanopia

77, 36.167, 285.108

Deuteranopia

77, 35.552, 286.855



Tritanopia
77, 9.323, 259.214

Trichromacy



Original Color
77, 38.243, 295.472

Protanomaly
77, 37.092, 289.190

Deuteranomaly
77, 36.000, 289.922

Tritanomaly
77, 18.929, 283.700

Monochromacy



Original Color
77, 38.243, 295.472

Achromatopsia
78, 0.009, 296.813

Achromatomaly
77, 13.975, 292.885

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 38.243, 295.472 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, 254)` looks like.

```
.text, #text, p{  
    color:rgb(187, 183, 254)  
}
```

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, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 183, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 38.243, 295.472 is called "border". The border property can be set on classes, ids or directly on the HTML element.

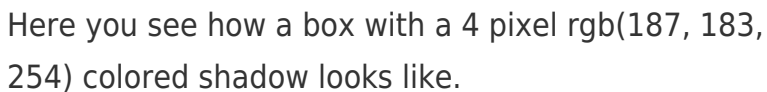
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 183, 254) }
```

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

```
.border{ border-color:rgb(187, 183, 254) }
```

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, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 183, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 183, 254);  
box-shadow:4px 4px 4px 4px rgb(187, 183,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 38.243, 295.472 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, 254) }
```

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

```
.background{ background-color: rgb(187,  
183, 254) }
```

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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