

Converting Colors

CIELCh(77, 20.421, 303.713)

Have a look what the booklet for
CIELCh(77, 20.421, 303.713)
contains.

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Color

CIELCh(77, 20.946, 303.435)

Conversions

Conversions Part 1

Format	Color
Hex	C4B8DE
RGB	196, 184, 222
RGB Percent	77%, 72%, 87%
CMY	0.2298, 0.2769, 0.1278
CMYK	0.12, 0.17, 0.00, 0.13
HSL	259°, 37%, 80%
HSV	259°, 17%, 87%
XYZ	53.3328, 51.5317, 76.5323
YIQ	191.9200, -5.0460, 14.3620

Conversions

Conversions Part 2

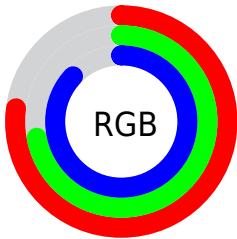
Format	Color
RYB	196, 184, 222
Decimal	12892382
CIELab	77.00, 11.54, -17.48
CIElCh	77, 20.946, 303.435
Yxy	51.5317, 0.2940, 0.2841
Android (android.graphics.Color)	4291082462 (0xFFC4B8DE)
YUV	191.9200, 14.8294, 3.5782
Hunter-Lab	71.7856, 6.9909, -12.9605

Details

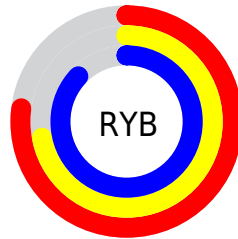
The CIELCh color `77, 20.946, 303.435` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `87, 20.279, 121.434`, and the grayscale version is `78, 0.009, 296.813`.

A 20% lighter version of the original color is `96, 8.975, 321.013`, and `57, 21.046, 303.358` is the 20% darker color. If you saturate the color by 10%, you get `70, 33.775, 304.155`, and if you desaturate by 10%, it is `84, 8.542, 302.791`.

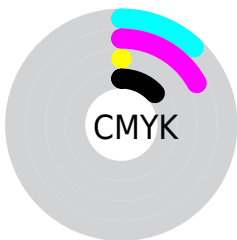
Distribution



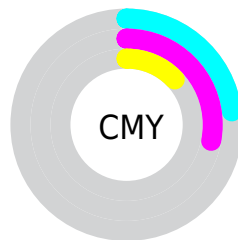
- Red (77%)
- Green (72%)
- Blue (87%)



- Red (77%)
- Yellow (72%)
- Blue (87%)



- Cyan (12%)
- Magenta (17%)
- Yellow (0%)
- Black (13%)



- Cyan (23%)
- Magenta (28%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 20.946, 303.435 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, 20.946, 303.435 by changing the saturation by 10% instead.


 77, 20.946,
303.435

 77, 20.946,
303.435


 100, 20.946,
303.435

 67, 20.946,
303.435


 97, 20.946,
303.435

 57, 20.946,
303.435

 47, 20.946,
303.435

 37, 20.946,
303.435

 27, 20.946,
303.435

 17, 20.946,
303.435

 7, 20.946, 303.435

77, 20.946,
303.435

77, 20.946,
303.435

70, 33.775,
304.155

84, 8.542, 302.791

63, 47.000,
304.954

91, 3.428, 122.256

57, 60.519,
305.816

97, 14.980,
121.756

50, 74.110,
306.706

99, 16.483,
108.931

44, 87.332,
307.554

39, 99.409,
308.242

■ 35,109.185,
308.605

■ 32,115.499,
308.485

■ 31,116.961,
308.425

Harmonies

Complementary

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



77, 20.946, 303.435



87, 20.279, 121.434

Rectangle

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



77, 20.946, 303.435



77, 20.946, 353.435



77, 20.946, 123.435



77, 20.946, 173.435

Sweetspot

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



77, 20.944, 303.434



96, 6.709, 302.667



83, 10.782, 233.028



51, 4.582, 302.710



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, 20.944, 303.434



84, 28.957, 303.717



79, 23.098, 319.562



43, 6.917, 302.936



24, 97.997, 308.570



3, 32.383, 303.772

Inverse Universe

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



79, 19.628, 336.128



87, 26.996, 336.442



86, 22.906, 137.986



44, 6.534, 335.553



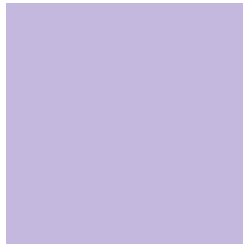
39, 69.244, 345.981



7, 29.091, 342.322

Previews

White Background



This preview shows how the CIELCh color 77, 20.946, 303.435 looks on a white background.

Color Contrast Check

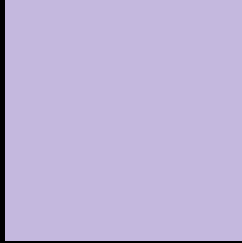
Large Text (above 18pt) WCAG AA × Fail

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, 20.946, 303.435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

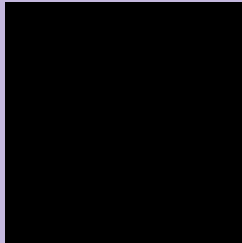
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 20.946, 303.435

Background



This preview shows how black text looks on a background with the CIELCh color 77, 20.946, 303.435.



This preview shows how white text looks on a background with the CIELCh color 77, 20.946, 303.435.

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, 20.946, 303.435

Protanopia

77, 19.921, 287.138

Deuteranopia

77, 19.559, 299.012



Tritanopia
77, 8.290, 303.449

Trichromacy



Original Color
77, 20.946, 303.435

Protanomaly
77, 19.907, 292.972

Deuteranomaly
77, 20.210, 300.809

Tritanomaly
77, 12.655, 302.613

Monochromacy



Original Color
77, 20.946, 303.435

Achromatopsia
78, 0.009, 296.813

Achromatomaly
77, 7.759, 304.287

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 20.946, 303.435 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(196, 184, 222)` looks like.

```
.text, #text, p{  
    color:rgb(196, 184, 222)  
}
```

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(196, 184, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 184, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 20.946, 303.435 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(196, 184, 222) }
```

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

```
.border{ border-color:rgb(196, 184, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 184, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 184, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 184, 222);  
box-shadow:4px 4px 4px 4px rgb(196, 184,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 20.946, 303.435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 184, 222) }
```

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

```
.background{ background-color: rgb(196,  
184, 222) }
```

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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