

Converting Colors

CIELCh(81, 60.827, 343.263)

Have a look what the booklet for
CIELCh(81, 60.827, 343.263)
contains.

CIELCh(77, 53.076, 333.221)	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(77, 53.076, 333.221)

Conversions

Conversions Part 1

Format	Color
Hex	FF9DEB
RGB	255, 157, 235
RGB Percent	100%, 62%, 92%
CMY	0.0000, 0.3833, 0.0773
CMYK	0.00, 0.38, 0.08, 0.00
HSL	312°, 100%, 81%
HSV	312°, 38%, 100%
XYZ	68.4821, 51.5317, 85.1434
YIQ	195.1940, 33.3700, 45.0340

Conversions

Conversions Part 2

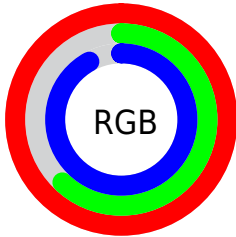
Format	Color
RYB	255, 157, 235
Decimal	16752107
CIELab	77.00, 47.38, -23.91
CIELCh	77, 53.076, 333.221
Yxy	51.5317, 0.3338, 0.2512
Android (android.graphics.Color)	4294942187 (0xFFFF9DEB)
YUV	195.1940, 19.6244, 52.4499
Hunter-Lab	71.7856, 44.6607, -20.0727

Details

The CIELCh color **77, 53.076, 333.221** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **93, 52.848, 147.425**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **90, 26.319, 325.341**, and **57, 53.216, 333.347** is the 20% darker color. If you saturate the color by 10%, you get **72, 65.818, 333.850**, and if you desaturate by 10%, it is **83, 39.429, 332.427**.

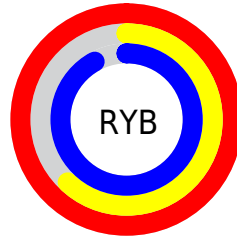
Distribution



Red (100%)

Green (62%)

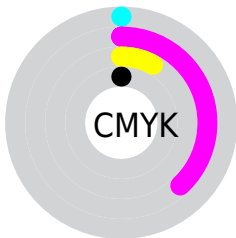
Blue (92%)



Red (100%)

Yellow (62%)

Blue (92%)

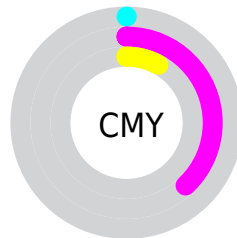


Cyan (0%)

Magenta (38%)

Yellow (8%)

Black (0%)



Cyan (0%)


Magenta (38%)


Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 53.076, 333.221 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, 53.076, 333.221 by changing the saturation by 10% instead.


 77, 53.076,
333.221


 77, 53.076,
333.221


 100, 53.076,
333.221


 67, 53.076,
333.221


 97, 53.076,
333.221

 57, 53.076,
333.221

 47, 53.076,
333.221

 37, 53.076,
333.221

 27, 53.076,
333.221

 17, 53.076,
333.221

 7, 53.076, 333.221

■ 0, 53.076, 333.221

■ 77, 53.076,
333.221

■ 77, 53.076,
333.221

■ 72, 65.818,
333.850

■ 83, 39.429,
332.427

■ 67, 77.266,
334.603

■ 89, 25.492,
331.749

■ 64, 86.720,
335.398

■ 95, 11.519,
331.082

■ 61, 93.577,
336.258

100, 0.012,
296.813

■ 59, 97.460,
337.220

■ 58, 98.494,
338.320

■ 58, 98.537,
338.513

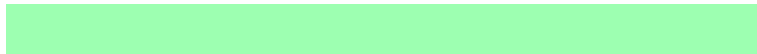
Harmonies

Complementary

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



77, 53.076, 333.221



93, 52.848, 147.425

Rectangle

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



77, 53.076, 333.221



77, 53.076, 23.221



77, 53.076, 153.221



77, 53.076, 203.221

Sweetspot

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



77, 53.017, 333.127



93, 15.246, 331.261



70, 53.999, 301.416



49, 10.253, 331.351



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, 53.017, 333.127



73, 62.939, 333.679



75, 39.976, 0.602



50, 7.873, 331.161



43, 79.572, 338.297



11, 37.280, 336.845

Inverse Universe

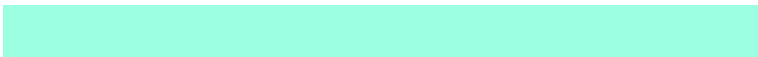
The Inverse Universe completely reimagines the original color for something new.



77, 53.017, 333.127



73, 62.939, 333.679



94, 35.596, 171.988



50, 7.873, 331.161



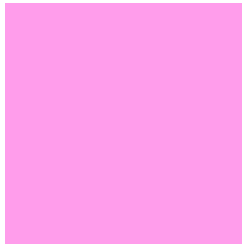
43, 79.572, 338.297



11, 37.280, 336.845

Previews

White Background



This preview shows how the CIELCh color 77, 53.076, 333.221 looks on a white background.

Color Contrast Check

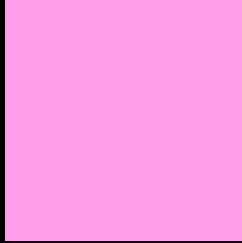
Large Text (above 18pt) WCAG AA × Fail

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, 53.076, 333.221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

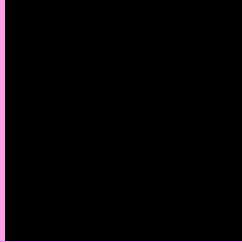
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 53.076, 333.221

Background



This preview shows how black text looks on a background with the CIELCh color 77, 53.076, 333.221.



This preview shows how white text looks on a background with the CIELCh color 77, 53.076, 333.221.

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, 53.076, 333.221

Protanopia

77, 36.167, 285.108

Deuteranopia

77, 23.710, 294.760



Tritanopia
77, 31.624, 9.816

Trichromacy



Original Color
77, 53.076, 333.221



Protanomaly
77, 39.257, 305.513



Deuteranomaly
77, 32.822, 315.511



Tritanomaly
77, 37.541, 351.552

Monochromacy



Original Color
77, 53.076, 333.221



Achromatopsia
79, 0.010, 296.813



Achromatomaly
78, 20.337, 331.359

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 53.076, 333.221 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(255, 157, 235)` looks like.

```
.text, #text, p{  
    color:rgb(255, 157, 235)  
}
```

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(255, 157, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 157, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 53.076, 333.221 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(255, 157, 235) }
```

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

```
.border{ border-color:rgb(255, 157, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 157, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 157, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 157, 235);  
box-shadow:4px 4px 4px 4px rgb(255, 157,  
235) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 53.076, 333.221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 157, 235) }
```

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

```
.background{ background-color: rgb(255,  
157, 235) }
```

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