

Converting Colors

CIELCh(78, 51.666, 331.795)

Have a look what the booklet for
CIELCh(78, 51.666, 331.795)
contains.

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Color

CIELCh(78, 51.580, 331.891)

Conversions

Conversions Part 1

Format	Color
Hex	FFA2EF
RGB	255, 162, 239
RGB Percent	100%, 64%, 94%
CMY	0.0008, 0.3654, 0.0635
CMYK	0.00, 0.36, 0.06, 0.00
HSL	310°, 100%, 82%
HSV	310°, 36%, 100%
XYZ	69.5986, 53.2120, 88.1058
YIQ	198.5850, 30.7110, 43.6630

Conversions

Conversions Part 2

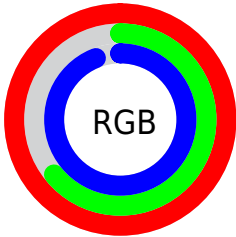
Format	Color
R_{YB}	255, 162, 239
Decimal	16753391
CIE _{Lab}	78.00, 45.50, -24.30
CIE _{LCh}	78, 51.580, 331.891
Yxy	53.2120, 0.3300, 0.2523
Android (android.graphics.Color)	4294943471 (0xFFFFA2EF)
YUV	198.5850, 19.9246, 49.4760
Hunter-Lab	72.9466, 42.6511, -20.5486

Details

The CIELCh color **78, 51.580, 331.891** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **93, 51.470, 146.647**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **91, 23.170, 325.231**, and **58, 51.799, 331.887** is the 20% darker color. If you saturate the color by 10%, you get **73, 64.801, 332.566**, and if you desaturate by 10%, it is **84, 37.635, 331.228**.

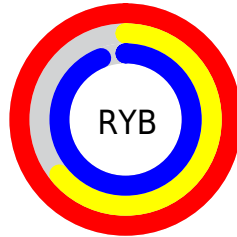
Distribution



Red (100%)

Green (64%)

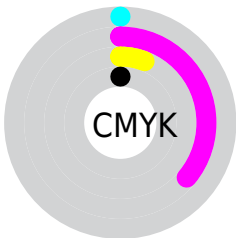
Blue (94%)



Red (100%)

Yellow (64%)

Blue (94%)

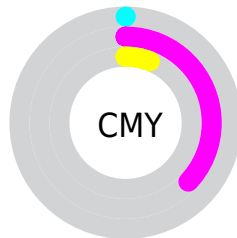


Cyan (0%)

Magenta (36%)

Yellow (6%)

Black (0%)



Cyan (0%)


Magenta (37%)


Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 51.580, 331.891 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 78, 51.580, 331.891 by changing the saturation by 10% instead.


 78, 51.580,
331.891


 78, 51.580,
331.891


 100, 51.580,
331.891


 68, 51.580,
331.891


 98, 51.580,
331.891

 58, 51.580,
331.891

 48, 51.580,
331.891

 38, 51.580,
331.891

 28, 51.580,
331.891

 18, 51.580,
331.891

 8, 51.580, 331.891

■ 0, 51.580, 331.891

■ 78, 51.580,
331.891

■ 78, 51.580,
331.891

■ 73, 64.801,
332.566

■ 84, 37.635,
331.228

■ 68, 76.761,
333.253

■ 90, 23.396,
330.578

■ 64, 86.822,
333.958

■ 96, 9.158, 329.927

■ 61, 94.366,
334.695

100, 0.072,
208.632

■ 59, 98.967,
335.489

■ 58, 100.600,
336.370

■ 58,100.740,
336.697

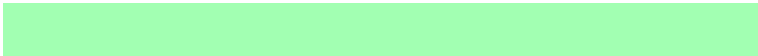
Harmonies

Complementary

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



78, 51.580, 331.891



93, 51.470, 146.647

Rectangle

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



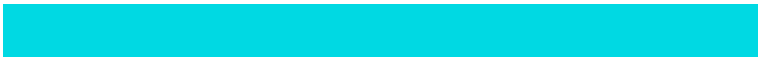
78, 51.580, 331.891



78, 51.580, 21.891



78, 51.580, 151.891



78, 51.580, 201.891

Sweetspot

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



78, 51.577, 331.891



93, 15.571, 330.223



71, 51.130, 300.153



49, 10.471, 330.311



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 51.577, 331.891



74, 61.640, 332.397



77, 38.429, 357.949



50, 8.040, 330.126



44, 81.375, 336.524



12, 38.034, 335.357

Inverse Universe

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



78, 51.577, 331.891



74, 61.640, 332.397



94, 34.886, 169.925



50, 8.040, 330.126



44, 81.375, 336.524



12, 38.034, 335.357

Previews

White Background



This preview shows how the CIELCh color 78, 51.580, 331.891 looks on a white background.

Color Contrast Check

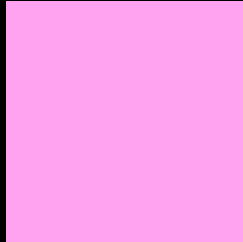
Large Text (above 18pt) WCAG AA × Fail

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 78, 51.580, 331.891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

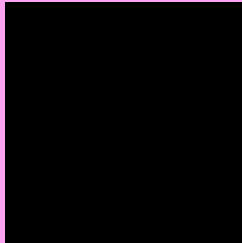
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 51.580, 331.891

Background



This preview shows how black text looks on a background with the CIELCh color 78, 51.580, 331.891.



This preview shows how white text looks on a background with the CIELCh color 78, 51.580, 331.891.

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

78, 51.580, 331.891

Protanopia

78, 34.459, 284.951

Deuteranopia

78, 24.175, 294.720



Tritanopia
78, 30.028, 7.921

Trichromacy



Original Color
78, 51.580, 331.891



Protanomaly
77, 38.048, 305.302



Deuteranomaly
78, 33.097, 314.571

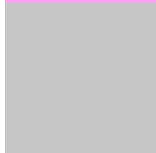


Tritanomaly
78, 35.877, 349.694

Monochromacy



Original Color
78, 51.580, 331.891



Achromatopsia
80, 0.010, 296.813



Achromatomaly
79, 19.409, 330.660

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 51.580, 331.891 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, 162, 239)` looks like.

```
.text, #text, p{  
    color:rgb(255, 162, 239)  
}
```

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, 162, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 162, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 51.580, 331.891 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, 162, 239) }
```

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

```
.border{ border-color:rgb(255, 162, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 162, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 162, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 162, 239);  
box-shadow:4px 4px 4px 4px rgb(255, 162,  
239) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 51.580, 331.891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 162, 239) }
```

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

```
.background{ background-color: rgb(255,  
162, 239) }
```

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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