

Converting Colors

CIELCh(78, 50.247, 333.183)

Have a look what the booklet for
CIELCh(78, 50.247, 333.183)
contains.

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Color

CIELCh(78, 50.456, 333.090)

Conversions

Conversions Part 1

Format	Color
Hex	FFA2EC
RGB	255, 162, 236
RGB Percent	100%, 64%, 93%
CMY	0.0000, 0.3643, 0.0741
CMYK	0.00, 0.36, 0.07, 0.00
HSL	312°, 100%, 82%
HSV	312°, 36%, 100%
XYZ	69.3655, 53.2120, 86.0429
YIQ	198.2430, 31.6740, 42.7300

Conversions

Conversions Part 2

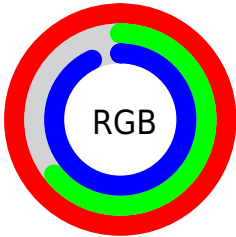
Format	Color
RYB	255, 162, 236
Decimal	16753388
CIELab	78.00, 44.99, -22.84
CIELCh	78, 50.456, 333.090
Yxy	53.2120, 0.3325, 0.2551
Android (android.graphics.Color)	4294943468 (0xFFFFA2EC)
YUV	198.2430, 18.6142, 49.7759
Hunter-Lab	72.9466, 42.0807, -18.8720

Details

The CIELCh color **78, 50.456, 333.090** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **93, 50.246, 147.685**, 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, 50.632, 333.150** is the 20% darker color. If you saturate the color by 10%, you get **73, 63.409, 333.778**, and if you desaturate by 10%, it is **84, 36.765, 332.359**.

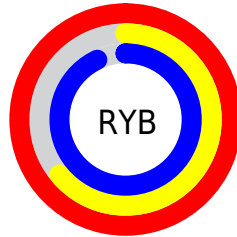
Distribution



Red (100%)

Green (64%)

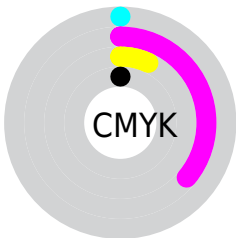
Blue (93%)



Red (100%)

Yellow (64%)

Blue (93%)

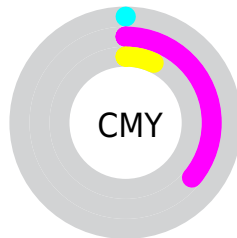


Cyan (0%)

Magenta (36%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (36%)


Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 50.456, 333.090 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, 50.456, 333.090 by changing the saturation by 10% instead.


 78, 50.456,
333.090


 78, 50.456,
333.090


 100, 50.456,
333.090


 68, 50.456,
333.090


 98, 50.456,
333.090

 58, 50.456,
333.090

 48, 50.456,
333.090

 38, 50.456,
333.090

 28, 50.456,
333.090

 18, 50.456,
333.090

 8, 50.456, 333.090

■ 0, 50.456, 333.090

■ 78, 50.456,
333.090

■ 78, 50.456,
333.090

■ 73, 63.409,
333.778

■ 84, 36.765,
332.359

■ 68, 75.149,
334.527

■ 90, 22.816,
331.683

■ 64, 85.019,
335.318

■ 96, 8.879, 331.012

■ 61, 92.397,
336.170

100, 0.012,
296.813

■ 59, 96.845,
337.118

■ 58, 98.328,
338.203

■ 58, 98.412,
338.618

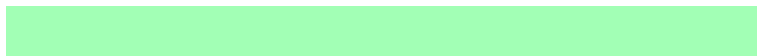
Harmonies

Complementary

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



78, 50.456, 333.090



93, 50.246, 147.685

Rectangle

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



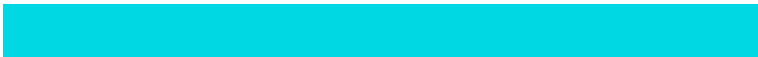
78, 50.456, 333.090



78, 50.456, 23.090



78, 50.456, 153.090



78, 50.456, 203.090

Sweetspot

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



78, 50.434, 333.057



93, 15.228, 331.321



71, 51.154, 301.204



49, 10.240, 331.411



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, 50.434, 333.057



74, 60.343, 333.600



77, 37.940, 0.293



50, 7.863, 331.221



43, 79.473, 338.400



11, 37.238, 336.932

Inverse Universe

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



78, 50.434, 333.057



74, 60.343, 333.600



94, 33.984, 172.217



50, 7.863, 331.221



43, 79.473, 338.400



11, 37.238, 336.932

Previews

White Background



This preview shows how the CIELCh color 78, 50.456, 333.090 looks on a white background.

Color Contrast Check

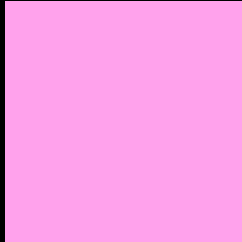
Large Text (above 18pt) WCAG AA × Fail

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, 50.456, 333.090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

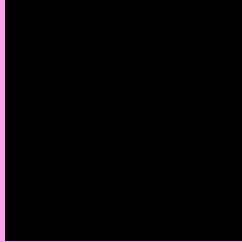
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 50.456, 333.090

Background



This preview shows how black text looks on a background with the CIELCh color 78, 50.456, 333.090.



This preview shows how white text looks on a background with the CIELCh color 78, 50.456, 333.090.

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





Tritanopia
78, 30.347, 9.132

Trichromacy



Original Color
78, 50.456, 333.090



Protanomaly
78, 37.595, 305.953



Deuteranomaly
78, 31.770, 316.252

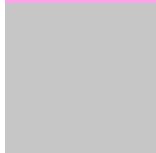


Tritanomaly
78, 35.952, 350.810

Monochromacy



Original Color
78, 50.456, 333.090



Achromatopsia
80, 0.010, 296.813



Achromatomaly
79, 19.011, 331.699

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 50.456, 333.090 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, 236)` looks like.

```
.text, #text, p{  
    color:rgb(255, 162, 236)  
}
```

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, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 162, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 50.456, 333.090 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, 236) }
```

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

```
.border{ border-color:rgb(255, 162, 236) }
```

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, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 162, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 162, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 162,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 50.456, 333.090 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, 236) }
```

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

```
.background{ background-color: rgb(255,  
162, 236) }
```

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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