

# Converting Colors

XYZ(78.0631, 67.1692, 99.7138)

Have a look what the booklet for  
XYZ(78.0631, 67.1692, 99.7138)  
contains.

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# Color

**XYZ(78.1677, 67.2552,  
100.1285)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC3FB
RGB	255, 195, 251
RGB Percent	100%, 76%, 98%
CMY	0.0000, 0.2353, 0.0157
CMYK	0.00, 0.24, 0.02, 0.00
HSL	304°, 100%, 88%
HSV	304°, 24%, 100%
XYZ	78.1677, 67.2552, 100.1285
YIQ	219.3240, 17.7840, 30.1360

# Conversions

## Conversions Part 2

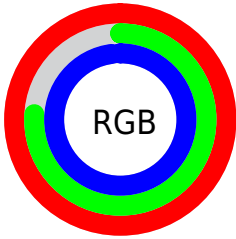
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 195, 251
Decimal	16761851
CIE Lab	85.63, 30.38, -19.26
CIE LCh	86, 35.972, 327.627
Yxy	67.2552, 0.3183, 0.2739
Android (android.graphics.Color)	4294951931 (0xFFFFC3FB)
YUV	219.3240, 15.6163, 31.2879
Hunter-Lab	82.0093, 26.6223, -14.9831

# Details

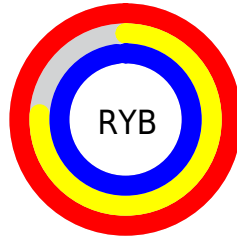
The XYZ color **78.1677, 67.2552, 100.1285** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **68.5764, 87.2466, 67.2614**, and the grayscale version is **67.4445, 70.9569, 77.2720**.

A 20% lighter version of the original color is **94.1004, 98.1008, 108.5835**, and **42.5512, 34.9506, 55.5424** is the 20% darker color. If you saturate the color by 10%, you get **72.6682, 56.6828, 96.9802**, and if you desaturate by 10%, it is **84.6481, 79.7850, 103.6175**.

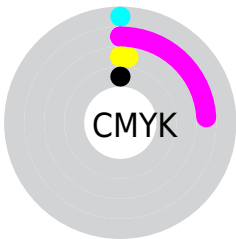
# Distribution



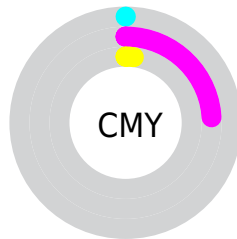
- Red (100%)
- Green (76%)
- Blue (98%)



- Red (100%)
- Yellow (76%)
- Blue (98%)



- Cyan (0%)
- Magenta (24%)
- Yellow (2%)
- Black (0%)




- Cyan (0%)
- Magenta (24%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.1677, 67.2552, 100.1285 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 XYZ color 78.1677, 67.2552, 100.1285 by changing the saturation by 10% instead.




 78.1677, 67.2552,  
100.1285

 78.1677, 67.2552,  
100.1285


477.5673,  
450.8526, 581.8548

 58.5150, 49.2920,  
75.7904


 129.7506,  
115.2860, 163.3872

 42.4677, 34.8512,  
55.7550


162.4116,  
146.1225, 203.1448

 29.6604, 23.5483,  
39.6039


200.1393,  
182.0188, 248.8794

 19.7277, 14.9989,  
26.9184

243.2992,  
223.3594, 301.0094

 12.3044, 8.8186,  
17.2800

292.2565,  
270.5287, 359.9534

 7.0250, 4.6230,  
10.2703

347.3768,

 3.5242, 2.0278,

323.9111, 426.1299

5.4706

409.0252,  
383.8909, 499.9575

■ 1.4367, 0.6236,  
2.4624

■ 0.2821, 0.0000,  
0.8201

■ 78.1677, 67.2552,  
100.1285

■ 78.1677, 67.2552,  
100.1285

■ 72.6682, 56.6828,  
96.9802

■ 84.6481, 79.7850,  
103.6175

■ 68.0957, 47.9608,  
94.1518

■ 92.1511, 94.3564,  
107.4583

■ 64.3977, 40.9841,  
91.6268

95.0500, 100.0000,  
108.9000

■ 61.5148, 35.6337,  
89.3852

■ 59.3800, 31.7758,  
87.4048

■ 57.9160, 29.2555,  
85.6596

■ 57.0282, 27.8839,  
84.1182

■ 56.6732, 27.4333,  
83.1999

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.5079, 67.2552, 120.8950



78.1677, 67.2552, 100.1285



80.9841, 67.2552, 75.1128

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.1677, 67.2552, 100.1285



64.5783, 67.2552, 36.7793



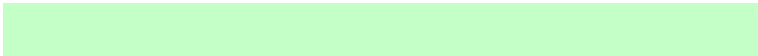
50.9625, 67.2552, 96.1966

# Complementary

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



78.1677, 67.2552, 100.1285



68.5764, 87.2466, 67.2614

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



49.4457, 67.2552, 71.3779



78.1677, 67.2552, 100.1285



56.8963, 67.2552, 40.0990

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.1677, 67.2552, 100.1285



72.7318, 67.2552, 41.3619



51.5252, 67.2552, 51.6389



55.8577, 67.2552, 118.3053



# Rectangle

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



78.1677, 67.2552, 100.1285



80.1372, 67.2552, 60.4040



51.5252, 67.2552, 51.6389



50.0599, 67.2552, 87.7530

# Sweetspot

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



78.1691, 67.2578, 100.1299



89.4266, 89.0589, 106.0835



60.8565, 58.2592, 102.6454



19.0424, 18.8707, 22.6560



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



78.1691, 67.2578, 100.1299



75.5907, 62.2923, 98.6803



73.9416, 65.5668, 77.8679



18.7373, 18.2782, 22.4998



29.6353, 14.3434, 43.5912



2.9006, 1.4026, 4.3240



# Inverse Universe

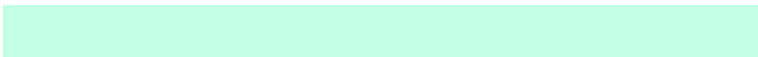
The Inverse Universe completely reimagines the original color for something new.



78.1691, 67.2578, 100.1299



75.5907, 62.2923, 98.6803



72.2711, 88.7244, 86.7171



18.7373, 18.2782, 22.4998



29.6353, 14.3434, 43.5912



2.9006, 1.4026, 4.3240



# Previews

## White Background



This preview shows how the XYZ color 78.1677, 67.2552, 100.1285 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

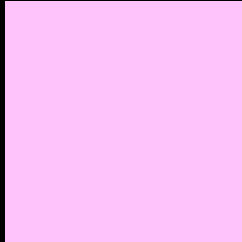
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.1677, 67.2552, 100.1285 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

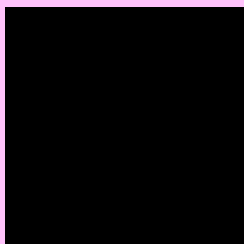
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 78.1677, 67.2552, 100.1285**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.1677, 67.2552, 100.1285.



This preview shows how white text looks on a background with the XYZ color 78.1677, 67.2552,



# 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

78.1677, 67.2552, 100.1285

### Protanopia

67.0211, 67.7876, 104.1597

### Deuteranopia

68.9572, 67.4383, 98.1894



## Tritanopia

72.8354, 67.1070, 74.7598

# Trichromacy



## Original Color

78.1677, 67.2552, 100.1285



## Protanomaly

70.3921, 66.9863, 102.9855



## Deuteranomaly

71.9705, 67.1811, 98.7965



## Tritanomaly

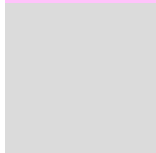
74.7112, 67.1994, 83.1618

# Monochromacy



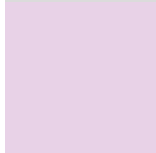
## Original Color

78.1677, 67.2552, 100.1285



## Achromatopsia

67.3311, 70.8376, 77.1421



## Achromatomaly

70.7491, 69.0185, 85.1943

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.1677, 67.2552, 100.1285 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, 195, 251)` looks like.

```
.text, #text, p{  
    color:rgb(255, 195, 251)  
}
```

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, 195, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 195, 251) }
```

## Border

The CSS property to change the border of an element to XYZ 78.1677, 67.2552, 100.1285 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, 195, 251) }
```



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

```
.border{ border-color:rgb(255, 195, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 195, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 195, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 195, 251);  
box-shadow:4px 4px 4px 4px rgb(255, 195,  
251) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.1677, 67.2552, 100.1285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 195, 251) }
```

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

```
.background{ background-color: rgb(255,  
195, 251) }
```

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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