

# Converting Colors

XYZ(82.8350, 76.9140,  
100.6850)

Have a look what the booklet for  
XYZ(82.8350, 76.9140, 100.6850)  
contains.

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# Color

**XYZ(82.7958, 76.7630,  
100.8954)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD7FA
RGB	255, 215, 250
RGB Percent	100%, 84%, 98%
CMY	0.0000, 0.1568, 0.0196
CMYK	0.00, 0.16, 0.02, 0.00
HSL	307°, 100%, 92%
HSV	307°, 16%, 100%
XYZ	82.7958, 76.7630, 100.8954
YIQ	230.9500, 12.6050, 19.3650

# Conversions

## Conversions Part 2

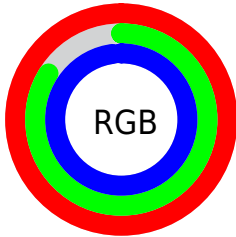
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	255, 215, 250
Decimal	16766970
CIE <sub>Lab</sub>	90.21, 19.71, -11.86
CIE <sub>LCh</sub>	90, 23.003, 328.964
Y <sub>xy</sub>	76.7630, 0.3179, 0.2947
Android (android.graphics.Color)	4294957050 (0xFFFFD7FA)
Y <sub>UV</sub>	230.9500, 9.3917, 21.0919
Hunter-Lab	87.6145, 15.3573, -6.9472

# Details

The XYZ color **82.7958, 76.7630, 100.8954** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **76.7049, 91.1355, 81.2613**, and the grayscale version is **75.8458, 79.7957, 86.8975**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.5971, 41.0424, 56.5577** is the 20% darker color. If you saturate the color by 10%, you get **76.3064, 64.5771, 96.2883**, and if you desaturate by 10%, it is **90.3089, 90.9822, 105.8875**.

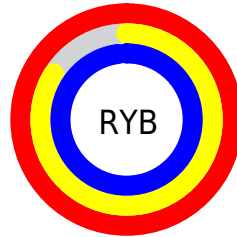
# Distribution



Red (100%)

Green (84%)

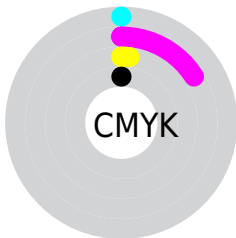
Blue (98%)



Red (100%)

Yellow (84%)

Blue (98%)

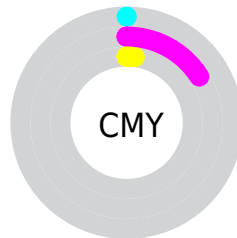


Cyan (0%)

Magenta (16%)

Yellow (2%)

Black (0%)



Cyan (0%)

Magenta (16%)


Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.7958, 76.7630, 100.8954 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 82.7958, 76.7630, 100.8954 by changing the saturation by 10% instead.




 82.7958, 76.7630,  
100.8954

 82.7958, 76.7630,  
100.8954


492.9000,  
483.9556, 584.3308

 62.3381, 57.0584,  
76.4275


136.2194,  
128.8049, 164.4497

 45.5625, 41.0521,  
56.2744


169.9160,  
161.9109, 204.3732

 32.1039, 28.3598,  
40.0175

208.7563,  
200.2529, 250.2856

 21.5968, 18.5971,  
27.2383

253.1056,  
244.2152, 302.6055

 13.6759, 11.3795,  
17.5182

303.3292,  
294.1822, 361.7515

 7.9758, 6.3227,  
10.4388

359.7926,

 4.1311, 3.0423,

350.5384, 428.1420

5.5815

422.8611,  
413.6680, 502.1956

■ 1.7766, 1.1538,  
2.5277

■ 0.5035, 0.0235,  
0.8548

■ 82.7958, 76.7630,  
100.8954

■ 82.7958, 76.7630,  
100.8954

■ 76.3064, 64.5771,  
96.2883

■ 90.3089, 90.9822,  
105.8875

■ 70.7891, 54.3220,  
92.0456

95.0500, 100.0000,  
108.9000

■ 66.1949, 45.8999,  
88.1520

■ 62.4688, 39.2008,  
84.5887

■ 59.5500, 34.1029,  
81.3354

■ 57.3696, 30.4685,  
78.3689

■ 55.8471, 28.1369,  
75.6621

■ 54.8828, 26.9087,  
73.1816

■ 54.5767, 26.5947,  
72.1601

# Harmonies

## Analogous

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



78.4173, 76.7630, 114.2788



82.7958, 76.7630, 100.8954



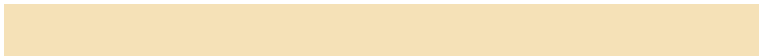
84.5186, 76.7630, 84.1528

# Triad

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



82.7958, 76.7630, 100.8954



73.1600, 76.7630, 55.8797



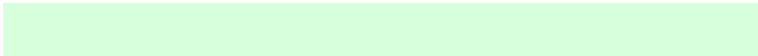
63.7555, 76.7630, 99.7810

# Complementary

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



82.7958, 76.7630, 100.8954



76.7049, 91.1355, 81.2613

# 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.



62.5081, 76.7630, 83.0135



82.7958, 76.7630, 100.8954



67.7637, 76.7630, 58.9421

# Square

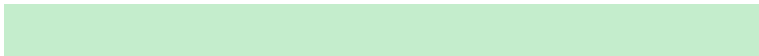
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



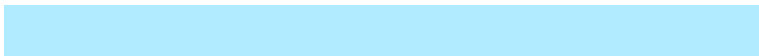
82.7958, 76.7630, 100.8954



78.7793, 76.7630, 59.3946



63.9374, 76.7630, 68.3717



67.4363, 76.7630, 113.5786



# Rectangle

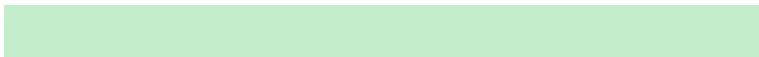
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.7958, 76.7630, 100.8954



83.8639, 76.7630, 73.7585



63.9374, 76.7630, 68.3717



63.0465, 76.7630, 94.2409

# Sweetspot

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



82.7974, 76.7660, 100.8970



90.8611, 92.0310, 106.2432



71.7678, 70.9883, 104.5273



19.3266, 19.4678, 22.6622



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.



82.7974, 76.7660, 100.8970



80.5342, 72.5040, 99.3272



79.8722, 75.5959, 85.4929



18.6892, 18.2590, 22.2463



28.5560, 13.9117, 37.9077



2.8066, 1.3650, 3.8291



# Inverse Universe

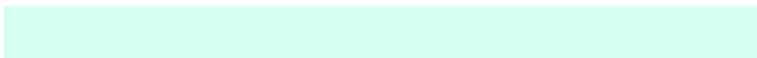
The Inverse Universe completely reimagines the original color for something new.



82.7974, 76.7660, 100.8970



80.5342, 72.5040, 99.3272



79.4650, 92.2396, 95.7962



18.6892, 18.2590, 22.2463



28.5560, 13.9117, 37.9077



2.8066, 1.3650, 3.8291



# Previews

## White Background



This preview shows how the XYZ color 82.7958, 76.7630, 100.8954 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

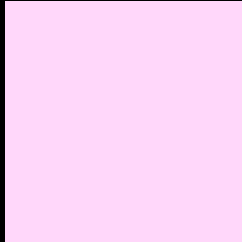
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.7958, 76.7630, 100.8954 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 82.7958, 76.7630, 100.8954

## Background



This preview shows how black text looks on a background with the XYZ color 82.7958, 76.7630, 100.8954.



This preview shows how white text looks on a background with the XYZ color 82.7958, 76.7630,

100.8954.

# 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

82.7958, 76.7630, 100.8954

### Protanopia

75.6778, 77.3007, 105.5396

### Deuteranopia

78.5519, 76.9032, 100.3262



## Tritanopia

80.5748, 77.0236, 89.2176

# Trichromacy



## Original Color

82.7958, 76.7630, 100.8954

## Protanomaly

78.1118, 76.9966, 103.6734

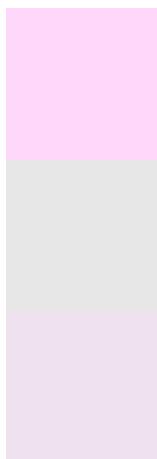
## Deuteranomaly

80.0866, 76.9151, 100.2476

## Tritanomaly

81.4141, 76.9878, 93.0072

# Monochromacy



## Original Color

82.7958, 76.7630, 100.8954

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

78.2930, 78.5487, 91.9239

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.7958, 76.7630, 100.8954 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, 215, 250)` looks like.

```
.text, #text, p{  
    color:rgb(255, 215, 250)  
}
```

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, 215, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 215, 250) }
```

## Border

The CSS property to change the border of an element to XYZ 82.7958, 76.7630, 100.8954 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, 215, 250) }
```



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

```
.border{ border-color:rgb(255, 215, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 215, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 215, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 215, 250);  
box-shadow:4px 4px 4px 4px rgb(255, 215,  
250) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.7958, 76.7630, 100.8954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 215, 250) }
```

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

```
.background{ background-color: rgb(255,  
215, 250) }
```

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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