

# Converting Colors

XYZ(78.9780, 73.2405, 86.9430)

Have a look what the booklet for  
XYZ(78.9780, 73.2405, 86.9430)  
contains.

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# Color

**XYZ(78.9946, 73.2364,  
87.0634)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD2E9
RGB	255, 210, 233
RGB Percent	100%, 82%, 91%
CMY	0.0000, 0.1764, 0.0863
CMYK	0.00, 0.18, 0.09, 0.00
HSL	329°, 100%, 91%
HSV	329°, 18%, 100%
XYZ	78.9946, 73.2364, 87.0634
YIQ	226.0770, 19.4370, 16.6930

# Conversions

## Conversions Part 2

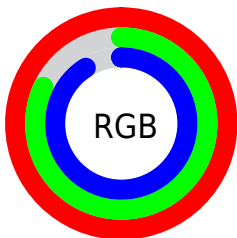
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 210, 233
Decimal	16765673
CIE Lab	88.56, 19.41, -5.36
CIE LCh	89, 20.134, 344.571
Yxy	73.2364, 0.3301, 0.3061
Android (android.graphics.Color)	4294955753 (0xFFFFD2E9)
YUV	226.0770, 3.4130, 25.3655
Hunter-Lab	85.5783, 15.0058, -0.4141

# Details

The XYZ color **78.9946, 73.2364, 87.0634** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **76.9062, 91.0490, 89.8681**, and the grayscale version is **72.3122, 76.0781, 82.8490**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.9459, 38.6228, 46.7864** is the 20% darker color. If you saturate the color by 10%, you get **71.4749, 60.9472, 76.0783**, and if you desaturate by 10%, it is **87.6465, 87.5881, 99.0487**.

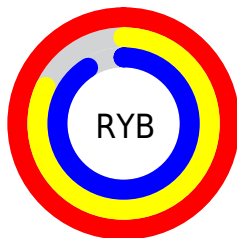
# Distribution



Red (100%)

Green (82%)

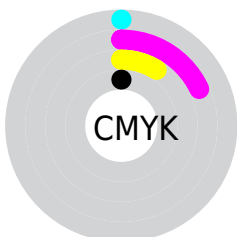
Blue (91%)



Red (100%)

Yellow (82%)

Blue (91%)

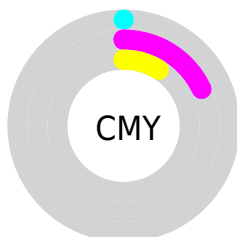


Cyan (0%)

Magenta (18%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (18%)


Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.9946, 73.2364, 87.0634 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 78.9946, 73.2364, 87.0634 by changing the saturation by 10% instead.



 78.9946, 73.2364,  
87.0634

 78.9946, 73.2364,  
87.0634


480.3264,  
471.8337, 538.7528

 59.1970, 54.1693,  
64.9878


130.9092,  
123.8128, 145.1522

 43.0187, 38.7370,  
46.9999


163.7569,  
156.0908, 182.0023

 30.0944, 26.5552,  
32.6812


201.6854,  
193.5412, 224.6144

 20.0587, 17.2395,  
21.6132

245.0600,  
236.5485, 273.4070

 12.5462, 10.4054,  
13.3774

294.2460,  
285.4970, 328.7986

 7.1916, 5.6685,  
7.5552

349.6088,

 3.6296, 2.6446,

340.7711, 391.2077

3.7280

411.5138,  
402.7552, 461.0530

■ 1.4948, 0.9491,  
1.4773

■ 0.3223, 0.0000,  
0.2010

■ 78.9946, 73.2364,  
87.0634

■ 78.9946, 73.2364,  
87.0634

■ 71.4749, 60.9472,  
76.0783

■ 87.6465, 87.5881,  
99.0487

■ 65.0325, 50.6157,  
66.0596

95.0500, 100.0000,  
108.9000

■ 59.6152, 42.1412,  
56.9775

■ 55.1641, 35.4108,  
48.7990

■ 51.6143, 30.2987,  
41.4881

■ 48.8919, 26.6622,  
35.0059

■ 46.9105, 24.3335,  
29.3080

■ 45.5569, 23.0911,  
24.3410

■ 45.2911, 22.8804,  
23.2629

# Harmonies

## Analogous

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



76.3634, 73.2364, 100.3296



78.9946, 73.2364, 87.0634



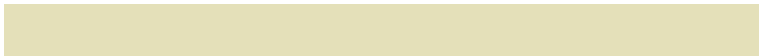
79.0340, 73.2364, 73.2076

# Triad

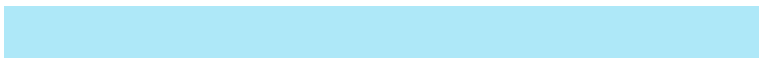
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.9946, 73.2364, 87.0634



67.2883, 73.2364, 56.5781



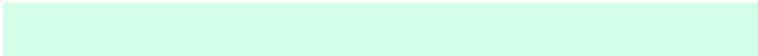
63.1724, 73.2364, 100.0001

# Complementary

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



78.9946, 73.2364, 87.0634



76.9062, 91.0490, 89.8681

# 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.



60.9648, 73.2364, 86.6541



78.9946, 73.2364, 87.0634



63.2651, 73.2364, 62.1830

# Square

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



78.9946, 73.2364, 87.0634



72.1206, 73.2364, 56.6605



60.9979, 73.2364, 72.8430



67.1564, 73.2364, 108.3688



# Rectangle

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



78.9946, 73.2364, 87.0634



77.5768, 73.2364, 65.5222



60.9979, 73.2364, 72.8430



62.2064, 73.2364, 95.8832

# Sweetspot

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



78.9963, 73.2394, 87.0649



90.1290, 91.7382, 102.3884



74.2967, 70.4307, 104.2864



19.1484, 19.3966, 21.7239



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.



78.9963, 73.2394, 87.0649



76.3492, 68.8904, 83.2689



76.0154, 72.0471, 71.3677



18.3969, 18.1421, 20.7070



23.7413, 11.9858, 12.5541



2.3668, 1.1891, 1.5131



# Inverse Universe

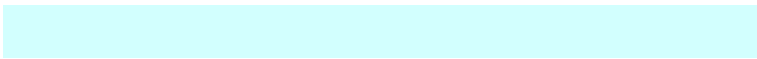
The Inverse Universe completely reimagines the original color for something new.



78.9963, 73.2394, 87.0649



76.3492, 68.8904, 83.2689



80.2695, 92.3943, 107.5793



18.3969, 18.1421, 20.7070



23.7413, 11.9858, 12.5541

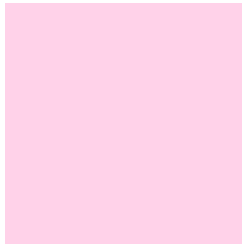


2.3668, 1.1891, 1.5131



# Previews

## White Background



This preview shows how the XYZ color 78.9946, 73.2364, 87.0634 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

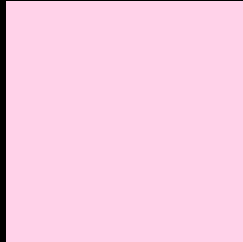
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.9946, 73.2364, 87.0634 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

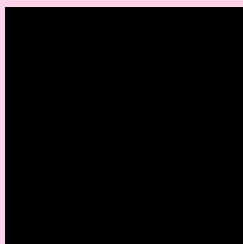
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 78.9946, 73.2364, 87.0634**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.9946, 73.2364, 87.0634.



This preview shows how white text looks on a background with the XYZ color 78.9946, 73.2364,



# 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

78.9946, 73.2364, 87.0634

### Protanopia

71.4034, 73.3763, 92.8378

### Deuteranopia

75.0565, 73.4632, 86.5678



## **Tritanopia**

78.0324, 73.2054, 82.6903

# Trichromacy



## Original Color

78.9946, 73.2364, 87.0634

## Protanomaly

73.7032, 73.0638, 90.3389

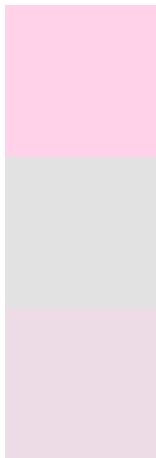
## Deuteranomaly

76.2682, 73.3318, 86.4786

## Tritanomaly

78.3102, 73.3165, 84.1528

# Monochromacy



## Original Color

78.9946, 73.2364, 87.0634

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

74.6611, 74.8481, 84.6408

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.9946, 73.2364, 87.0634 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, 210, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 210, 233)  
}
```

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, 210, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 210, 233) }
```

## Border

The CSS property to change the border of an element to XYZ 78.9946, 73.2364, 87.0634 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, 210, 233) }
```



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

```
.border{ border-color:rgb(255, 210, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 210, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 210, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 210, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 210,  
233) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.9946, 73.2364, 87.0634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 210, 233) }
```

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

```
.background{ background-color: rgb(255,  
210, 233) }
```

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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