

# Converting Colors

XYZ(81.3461, 77.1939, 90.1455)

Have a look what the booklet for  
XYZ(81.3461, 77.1939, 90.1455)  
contains.

<b>XYZ(81.1932, 76.9418, 89.9288)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(81.1932, 76.9418,  
89.9288)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD9EC
RGB	255, 217, 236
RGB Percent	100%, 85%, 93%
CMY	0.0000, 0.1490, 0.0745
CMYK	0.00, 0.15, 0.07, 0.00
HSL	330°, 100%, 93%
HSV	330°, 15%, 100%
XYZ	81.1932, 76.9418, 89.9288
YIQ	230.5280, 16.5490, 13.9650

# Conversions

## Conversions Part 2

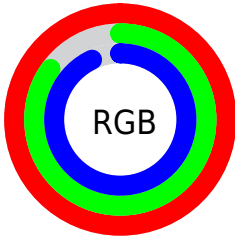
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 217, 236
Decimal	16767468
CIE <sub>Lab</sub>	90.29, 16.25, -4.38
CIE <sub>LCh</sub>	90, 16.833, 344.916
Yxy	76.9418, 0.3273, 0.3102
Android (android.graphics.Color)	4294957548 (0xFFFFD9EC)
YUV	230.5280, 2.6977, 21.4619
Hunter-Lab	87.7165, 11.7215, 0.6162

# Details

The XYZ color **81.1932, 76.9418, 89.9288** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **79.5180, 92.3290, 92.9904**, and the grayscale version is **75.5785, 79.5145, 86.5913**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.4473, 41.1417, 48.7785** is the 20% darker color. If you saturate the color by 10%, you get **73.3344, 64.0839, 78.4935**, and if you desaturate by 10%, it is **90.2032, 91.8899, 102.4025**.

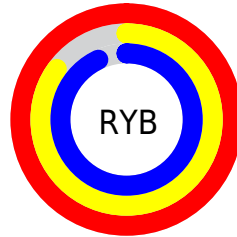
# Distribution



Red (100%)

Green (85%)

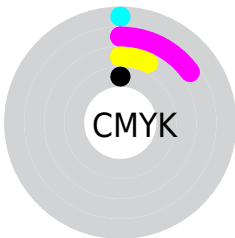
Blue (93%)



Red (100%)

Yellow (85%)

Blue (93%)

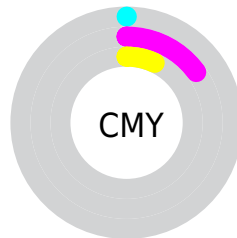


Cyan (0%)

Magenta (15%)

Yellow (7%)

Black (0%)



Cyan (0%)

Magenta (15%)


Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.1932, 76.9418, 89.9288 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 81.1932, 76.9418, 89.9288 by changing the saturation by 10% instead.




 81.1932, 76.9418,  
89.9288

 81.1932, 76.9418,  
89.9288


487.6205,  
484.5656, 548.3633

 61.0126, 57.2051,  
67.3482


133.9837,  
129.0573, 149.1741

 44.4879, 41.1699,  
48.9043


167.3244,  
162.2049, 186.6760

 31.2538, 28.4519,  
34.1785


205.7824,  
200.5917, 229.9886

 20.9450, 18.6666,  
22.7523

249.7231,  
244.6019, 279.5307

 13.1960, 11.4296,  
14.2071

299.5119,  
294.6200, 335.7206

 7.6416, 6.3566,  
8.1245

355.5142,

 3.9163, 3.0631,

351.0304, 398.9770

4.0858

418.0953,  
414.2174, 469.7184

■ 1.6549, 1.1648,  
1.6725

■ 0.4278, 0.0326,  
0.3418

■ 81.1932, 76.9418,  
89.9288

■ 81.1932, 76.9418,  
89.9288

■ 73.3344, 64.0839,  
78.4935

■ 90.2032, 91.8899,  
102.4025

■ 66.5725, 53.2126,  
68.0619

95.0500, 100.0000,  
108.9000

■ 60.8562, 44.2300,  
58.6039

■ 56.1281, 37.0255,  
50.0859

■ 52.3247, 31.4773,  
42.4719

■ 49.3748, 27.4479,  
35.7224

■ 47.1958, 24.7774,  
29.7938

■ 45.6866, 23.2690,  
24.6353

■ 45.1028, 22.8051,  
22.2712

# Harmonies

## Analogous

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



78.9712, 76.9418, 101.2105



81.1932, 76.9418, 89.9288



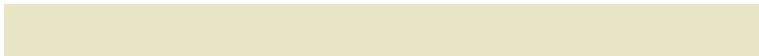
81.1997, 76.9418, 77.9737

# Triad

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



81.1932, 76.9418, 89.9288



71.0756, 76.9418, 63.3906



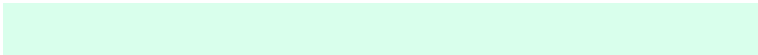
67.5700, 76.9418, 101.1563

# Complementary

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



81.1932, 76.9418, 89.9288



79.5180, 92.3290, 92.9904

# 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.



65.6151, 76.9418, 89.8604



81.1932, 76.9418, 89.9288



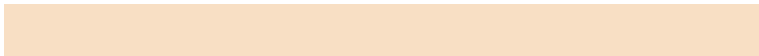
67.5858, 76.9418, 68.4692

# Square

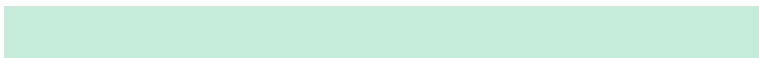
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



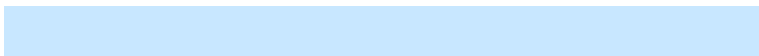
81.1932, 76.9418, 89.9288



75.2486, 76.9418, 63.4051



65.6207, 76.9418, 77.9115



71.0532, 76.9418, 108.1016

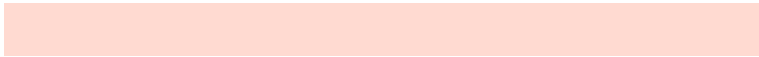


# Rectangle

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



81.1932, 76.9418, 89.9288



79.9417, 76.9418, 71.2456



65.6207, 76.9418, 77.9115



66.7183, 76.9418, 97.6968

# Sweetspot

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



81.1949, 76.9449, 89.9304



91.0715, 93.3397, 103.5763



77.4574, 74.6821, 104.9404



19.3375, 19.7188, 21.9594



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.



81.1949, 76.9449, 89.9304



78.6374, 72.7390, 86.2752



78.5795, 75.8988, 76.1580



18.3882, 18.1386, 20.6612



23.6425, 11.9463, 12.0340



2.3571, 1.1852, 1.4620



# Inverse Universe

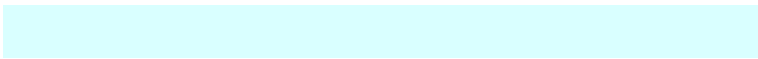
The Inverse Universe completely reimagines the original color for something new.



81.1949, 76.9449, 89.9304



78.6374, 72.7390, 86.2752



82.4270, 93.4926, 108.3093



18.3882, 18.1386, 20.6612



23.6425, 11.9463, 12.0340

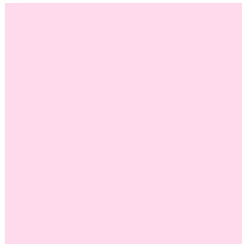


2.3571, 1.1852, 1.4620



# Previews

## White Background



This preview shows how the XYZ color 81.1932, 76.9418, 89.9288 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

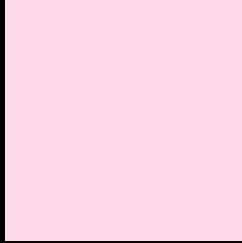
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.1932, 76.9418, 89.9288 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 81.1932, 76.9418, 89.9288**

## **Background**



This preview shows how black text looks on a background with the XYZ color 81.1932, 76.9418, 89.9288.



This preview shows how white text looks on a background with the XYZ color 81.1932, 76.9418,

89.9288.

# 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

81.1932, 76.9418, 89.9288

### Protanopia

74.7521, 77.0745, 94.1561

### Deuteranopia

78.5946, 76.7774, 89.2744



## Tritanopia

80.9041, 76.8262, 88.4067

# Trichromacy



## Original Color

81.1932, 76.9418, 89.9288

## Protanomaly

76.8927, 77.0119, 92.4735

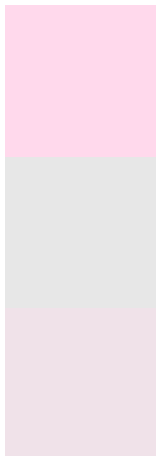
## Deuteranomaly

79.3938, 76.8009, 89.2368

## Tritanomaly

81.0483, 76.8839, 89.1656

# Monochromacy



## Original Color

81.1932, 76.9418, 89.9288

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

77.8395, 78.8012, 88.1984

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.1932, 76.9418, 89.9288 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, 217, 236) looks like.

```
.text, #text, p{  
    color:rgb(255, 217, 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, 217, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 217, 236) }
```

## Border

The CSS property to change the border of an element to XYZ 81.1932, 76.9418, 89.9288 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, 217, 236) }
```



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

```
.border{ border-color:rgb(255, 217, 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, 217, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 217, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 217, 236); box-shadow:4px 4px 4px 4px rgb(255, 217, 236) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.1932, 76.9418, 89.9288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 217, 236) }
```

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

```
.background{ background-color: rgb(255,  
217, 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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