

# Converting Colors

XYZ(81.8384, 78.0059, 90.8421)

Have a look what the booklet for  
XYZ(81.8384, 78.0059, 90.8421)  
contains.

<b>XYZ(81.8576, 78.0375, 90.8691)</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(81.8576, 78.0375,  
90.8691)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDBED
RGB	255, 219, 237
RGB Percent	100%, 86%, 93%
CMY	0.0000, 0.1412, 0.0706
CMYK	0.00, 0.14, 0.07, 0.00
HSL	330°, 100%, 93%
HSV	330°, 14%, 100%
XYZ	81.8576, 78.0375, 90.8691
YIQ	231.8160, 15.6780, 13.2300

# Conversions

## Conversions Part 2

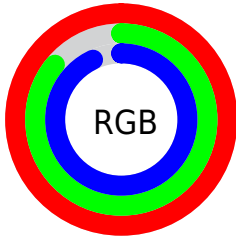
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 219, 237
Decimal	16767981
CIE <sub>Lab</sub>	90.80, 15.38, -4.17
CIE <sub>LCh</sub>	91, 15.934, 344.842
Yxy	78.0375, 0.3264, 0.3112
Android (android.graphics.Color)	4294958061 (0xFFFFDBED)
YUV	231.8160, 2.5557, 20.3324
Hunter-Lab	88.3388, 10.8109, 0.8490

# Details

The XYZ color **81.8576, 78.0375, 90.8691** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **80.2620, 92.6957, 93.7861**, and the grayscale version is **76.5391, 80.5251, 87.6918**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.9047, 41.8929, 49.4355** is the 20% darker color. If you saturate the color by 10%, you get **73.9105, 65.0195, 79.3536**, and if you desaturate by 10%, it is **90.9597, 93.1529, 103.4254**.

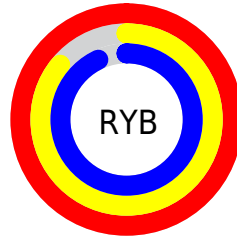
# Distribution



Red (100%)

Green (86%)

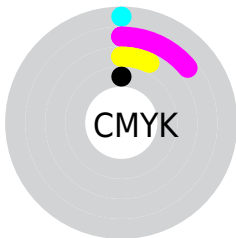
Blue (93%)



Red (100%)

Yellow (86%)

Blue (93%)

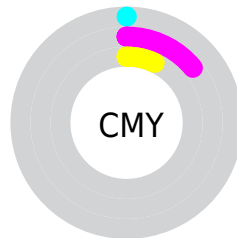


Cyan (0%)

Magenta (14%)

Yellow (7%)

Black (0%)



Cyan (0%)

Magenta (14%)


Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.8576, 78.0375, 90.8691 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 81.8576, 78.0375, 90.8691 by changing the saturation by 10% instead.




 81.8576, 78.0375,  
90.8691

 81.8576, 78.0375,  
90.8691

489.8130,  
488.2942, 551.4968

 61.5619, 58.1048,  
68.1239


134.9112,  
130.6030, 150.4911

 44.9330, 41.8929,  
49.5312


168.3997,  
164.0045, 188.2050

 31.6057, 29.0174,  
34.6725


207.0165,  
202.6645, 231.7455

 21.2146, 19.0940,  
23.1292

251.1271,  
246.9673, 281.5312

 13.3943, 11.7382,  
14.4827

301.0966,  
297.2972, 337.9807

 7.7795, 6.5657,  
8.3146

357.2905,

 4.0048, 3.1920,

354.0388, 401.5124

4.2063

420.0742,  
417.5763, 472.5449

■ 1.7048, 1.2328,  
1.7392

■ 0.4593, 0.0882,  
0.3874

■ 81.8576, 78.0375,  
90.8691

■ 81.8576, 78.0375,  
90.8691

■ 73.9105, 65.0195,  
79.3536

■ 90.9597, 93.1529,  
103.4254

■ 67.0643, 53.9957,  
68.8441

95.0500, 100.0000,  
108.9000

■ 61.2680, 44.8688,  
59.3109

■ 56.4646, 37.5290,  
50.7204

■ 52.5911, 31.8556,  
43.0368

■ 49.5771, 27.7125,  
36.2210

■ 47.3410, 24.9419,  
30.2297

■ 45.7835, 23.3509,  
25.0129

■ 45.1027, 22.8051,  
22.2707

# Harmonies

## Analogous

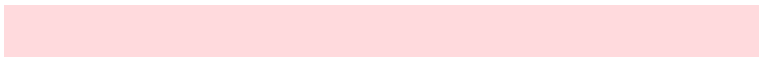
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.7371, 78.0375, 101.5896



81.8576, 78.0375, 90.8691



81.8694, 78.0375, 79.4437

# Triad

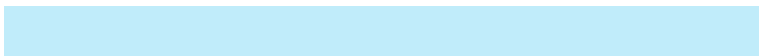
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.8576, 78.0375, 90.8691



72.2169, 78.0375, 65.3810



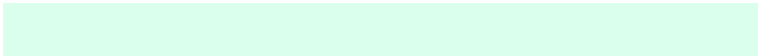
68.8440, 78.0375, 101.4924

# Complementary

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



81.8576, 78.0375, 90.8691



80.2620, 92.6957, 93.7861

# 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.



66.9734, 78.0375, 90.7459



81.8576, 78.0375, 90.8691



68.8726, 78.0375, 70.2689

# Square

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



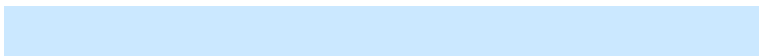
81.8576, 78.0375, 90.8691



76.2046, 78.0375, 65.4075



66.9837, 78.0375, 79.3311



72.1764, 78.0375, 108.0883

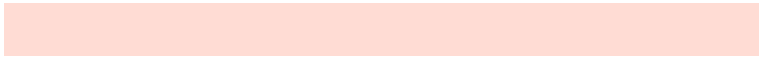


# Rectangle

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



81.8576, 78.0375, 90.8691



80.6750, 78.0375, 72.9802



66.9837, 78.0375, 79.3311



68.0288, 78.0375, 98.2050

# Sweetspot

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



81.8594, 78.0407, 90.8707



91.0715, 93.3397, 103.5763



78.3092, 75.8912, 105.1289



19.3375, 19.7188, 21.9594



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

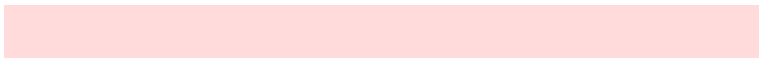
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.8594, 78.0407, 90.8707



79.4503, 74.0738, 87.4432



79.3601, 77.0410, 77.7097



18.3881, 18.1386, 20.6611



23.6425, 11.9463, 12.0337



2.3571, 1.1852, 1.4619



# Inverse Universe

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



81.8594, 78.0407, 90.8707



79.4503, 74.0738, 87.4432



83.0252, 93.8010, 108.3373



18.3881, 18.1386, 20.6611



23.6425, 11.9463, 12.0337

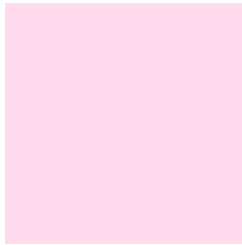


2.3571, 1.1852, 1.4619



# Previews

## White Background



This preview shows how the XYZ color 81.8576, 78.0375, 90.8691 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

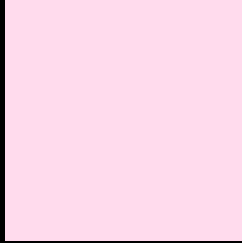
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.8576, 78.0375, 90.8691 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

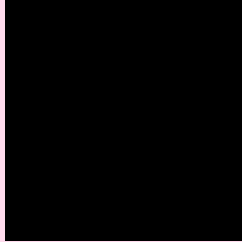
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 81.8576, 78.0375, 90.8691

## Background



This preview shows how black text looks on a background with the XYZ color 81.8576, 78.0375, 90.8691.



This preview shows how white text looks on a background with the XYZ color 81.8576, 78.0375,

90.8691.

# 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

81.8576, 78.0375, 90.8691

### Protanopia

75.8092, 78.0070, 95.0657

### Deuteranopia

79.6194, 78.0728, 90.2301



## Tritanopia

81.7118, 77.9792, 90.1017

# Trichromacy



## Original Color

81.8576, 78.0375, 90.8691

## Protanomaly

77.6437, 77.7797, 93.3588

## Deuteranomaly

80.4211, 78.0930, 90.1917

## Tritanomaly

81.7118, 77.9792, 90.1017

# Monochromacy



## Original Color

81.8576, 78.0375, 90.8691

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

78.2555, 79.4039, 89.0439

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.8576, 78.0375, 90.8691 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, 219, 237) looks like.

```
.text, #text, p{  
    color:rgb(255, 219, 237)  
}
```

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, 219, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 219, 237) }
```

## Border

The CSS property to change the border of an element to XYZ 81.8576, 78.0375, 90.8691 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, 219, 237) }
```



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

```
.border{ border-color:rgb(255, 219, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 219, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 219, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 219, 237);  
box-shadow:4px 4px 4px 4px rgb(255, 219,  
237) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.8576, 78.0375, 90.8691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 219, 237) }
```

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

```
.background{ background-color: rgb(255,  
219, 237) }
```

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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