

# Converting Colors

XYZ(81.8403, 77.2834, 84.1021)

Have a look what the booklet for  
XYZ(81.8403, 77.2834, 84.1021)  
contains.

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# Color

**XYZ(80.0564, 76.4871,  
83.9429)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD9E4
RGB	255, 217, 228
RGB Percent	100%, 85%, 89%
CMY	0.0000, 0.1490, 0.1059
CMYK	0.00, 0.15, 0.11, 0.00
HSL	343°, 100%, 93%
HSV	343°, 15%, 100%
XYZ	80.0564, 76.4871, 83.9429
YIQ	229.6160, 19.1170, 11.4770

# Conversions

## Conversions Part 2

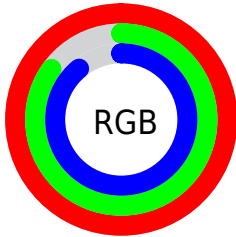
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 217, 228
Decimal	16767460
CIE Lab	90.09, 14.93, -0.48
CIE LCh	90, 14.941, 358.148
Yxy	76.4871, 0.3329, 0.3181
Android (android.graphics.Color)	4294957540 (0xFFFFD9E4)
YUV	229.6160, -0.7967, 22.2618
Hunter-Lab	87.4569, 10.3460, 4.3121

# Details

The XYZ color **80.0564, 76.4871, 83.9429** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **80.7069, 92.8046, 99.2508**, and the grayscale version is **74.9274, 78.8295, 85.8453**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.7519, 40.8636, 45.1166** is the 20% darker color. If you saturate the color by 10%, you get **71.5994, 63.3899, 69.3571**, and if you desaturate by 10%, it is **89.7962, 91.7272, 100.2592**.

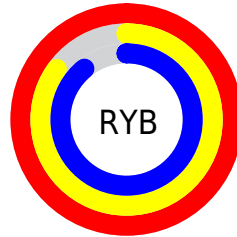
# Distribution



Red (100%)

Green (85%)

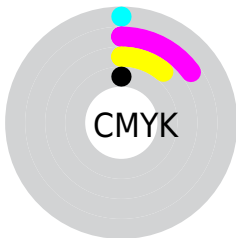
Blue (89%)



Red (100%)

Yellow (85%)

Blue (89%)

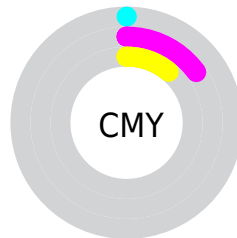


Cyan (0%)

Magenta (15%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (15%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.0564, 76.4871, 83.9429 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 80.0564, 76.4871, 83.9429 by changing the saturation by 10% instead.




 80.0564, 76.4871,  
83.9429

 80.0564, 76.4871,  
83.9429


483.8565,  
483.0135, 528.1767

 60.0734, 56.8320,  
62.4232


132.3951,  
128.4152, 140.7563

 43.7275, 40.8704,  
44.9367


165.4816,  
161.4570, 176.8871

 30.6533, 28.2178,  
31.0650

203.6665,  
199.7299, 218.7253

 20.4855, 18.4899,  
20.3895

247.3153,  
243.6182, 266.6895

 12.8588, 11.3023,  
12.4916

296.7934,  
293.5063, 321.1982

 7.4077, 6.2705,  
6.9528

352.4661,

 3.7669, 3.0103,

349.7786, 382.6699

3.3546

414.6986,  
412.8196, 451.5232

■ 1.5711, 1.1371,  
1.2784

■ 0.3735, 0.0094,  
0.0440

■ 80.0564, 76.4871,  
83.9429

■ 80.0564, 76.4871,  
83.9429

■ 71.5994, 63.3899,  
69.3571

■ 89.7962, 91.7272,  
100.2592

■ 64.3653, 52.3298,  
56.4387

95.0500, 100.0000,  
108.9000

■ 58.2972, 43.2064,  
45.1281

■ 53.3316, 35.9069,  
35.3599

■ 49.3988, 30.3069,  
27.0640

■ 46.4204, 26.2661,  
20.1644

■ 44.3062, 23.6215,  
14.5773

■ 42.9469, 22.1731,  
10.2080

■ 42.4692, 21.7517,  
8.4030

# Harmonies

## Analogous

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



78.9214, 76.4871, 94.5230



80.0564, 76.4871, 83.9429



79.1650, 76.4871, 74.0198

# Triad

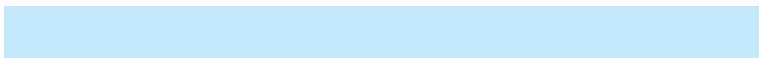
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.0564, 76.4871, 83.9429



69.3885, 76.4871, 66.5510



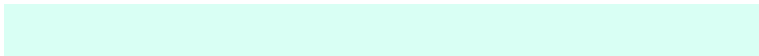
69.0024, 76.4871, 101.8479

# Complementary

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



80.0564, 76.4871, 83.9429



80.7069, 92.8046, 99.2508

# 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.



66.5945, 76.4871, 93.2852



80.0564, 76.4871, 83.9429



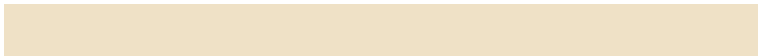
66.8120, 76.4871, 72.9685

# Square

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



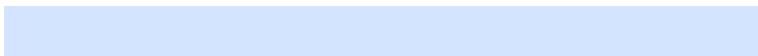
80.0564, 76.4871, 83.9429



72.9293, 76.4871, 64.5031



65.8062, 76.4871, 82.6235



72.4686, 76.4871, 105.3907

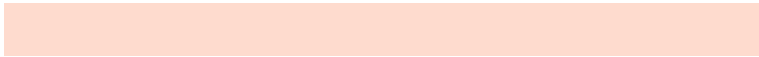


# Rectangle

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



80.0564, 76.4871, 83.9429



77.5579, 76.4871, 68.9856



65.8062, 76.4871, 82.6235



68.0468, 76.4871, 99.4273

# Sweetspot

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



80.0582, 76.4903, 83.9445



90.7367, 93.2058, 101.8134



80.0346, 76.0107, 105.0610



19.2529, 19.6850, 21.5139



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

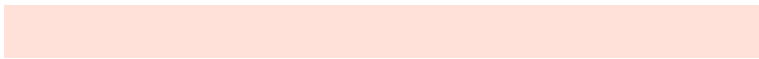
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.0582, 76.4903, 83.9445



77.3013, 72.2045, 79.2397



80.5837, 79.9070, 76.8261



18.2255, 18.0735, 19.8049



22.2468, 11.3880, 4.6839



2.2110, 1.1268, 0.6927



# Inverse Universe

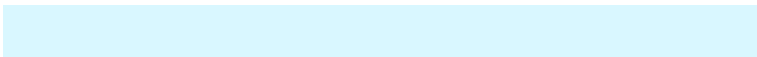
The Inverse Universe completely reimagines the original color for something new.



80.0582, 76.4903, 83.9445



77.3013, 72.2045, 79.2397



80.0506, 88.7398, 107.5171



18.2255, 18.0735, 19.8049



22.2468, 11.3880, 4.6839

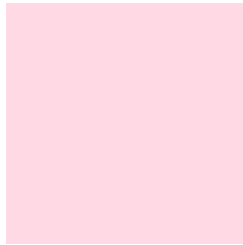


2.2110, 1.1268, 0.6927



# Previews

## White Background



This preview shows how the XYZ color 80.0564, 76.4871, 83.9429 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

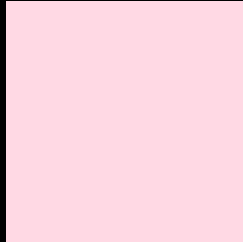
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 80.0564, 76.4871, 83.9429 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 80.0564, 76.4871, 83.9429**

## **Background**



This preview shows how black text looks on a background with the XYZ color 80.0564, 76.4871, 83.9429.



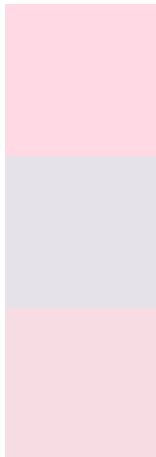
This preview shows how white text looks on a background with the XYZ color 80.0564, 76.4871,

83.9429.

# 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

80.0564, 76.4871, 83.9429

### Protanopia

74.2174, 76.9339, 88.0288

### Deuteranopia

78.3082, 76.7443, 84.0846



## Tritanopia

80.5038, 76.2549, 87.5665

# Trichromacy



## Original Color

80.0564, 76.4871, 83.9429

## Protanomaly

76.0714, 76.7220, 86.4007

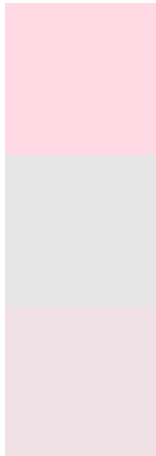
## Deuteranomaly

79.1188, 76.7737, 84.0476

## Tritanomaly

80.2197, 76.1413, 86.0700

# Monochromacy



## Original Color

80.0564, 76.4871, 83.9429

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

76.6647, 77.8583, 85.1162

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.0564, 76.4871, 83.9429 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, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 217, 228)  
}
```

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, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 217, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 80.0564, 76.4871, 83.9429 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, 228) }
```



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

```
.border{ border-color:rgb(255, 217, 228) }
```

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, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 217, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 217, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 217,  
228) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.0564, 76.4871, 83.9429 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, 228) }
```

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

```
.background{ background-color: rgb(255,  
217, 228) }
```

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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