

# Converting Colors

XYZ(93.7617, 83.2108, 80.5210)

Have a look what the booklet for  
XYZ(93.7617, 83.2108, 80.5210)  
contains.

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# Color

**XYZ(78.9807, 75.6457,  
79.5456)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | FFD8DE                     |
| RGB         | 255, 216, 222              |
| RGB Percent | 100%, 85%, 87%             |
| CMY         | 0.0000, 0.1529, 0.1294     |
| CMYK        | 0.00, 0.15, 0.13, 0.00     |
| HSL         | 351°, 100%, 92%            |
| HSV         | 351°, 15%, 100%            |
| XYZ         | 78.9807, 75.6457, 79.5456  |
| YIQ         | 228.3450, 21.3180, 10.1340 |

# Conversions

## Conversions Part 2

| Format                              | Color                         |
|-------------------------------------|-------------------------------|
| R <sub>Y</sub> B                    | 255, 216, 222                 |
| Decimal                             | 16767198                      |
| CIE Lab                             | 89.69, 14.49, 2.10            |
| CIE LCh                             | 90, 14.644, 8.260             |
| Yxy                                 | 75.6457, 0.3373,<br>0.3230    |
| Android<br>(android.graphics.Color) | 4294957278<br>(0xFFFFD8DE)    |
| YUV                                 | 228.3450, -3.1281,<br>23.3764 |
| Hunter-Lab                          | 86.9745, 9.8886,<br>6.6564    |

# Details

The XYZ color **78.9807, 75.6457, 79.5456** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **81.1803, 92.9597, 103.2907**, and the grayscale version is **74.0082, 77.8624, 84.7922**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.0086, 40.2855, 42.0683** is the 20% darker color. If you saturate the color by 10%, you get **70.2380, 62.4965, 63.2637**, and if you desaturate by 10%, it is **89.1109, 90.9769, 98.1183**.

# Distribution



Red (100%)

Green (85%)

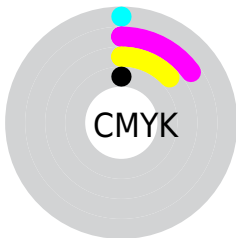
Blue (87%)



Red (100%)

Yellow (85%)

Blue (87%)



Cyan (0%)

Magenta (15%)

Yellow (13%)

Black (0%)



Cyan (0%)

Magenta (15%)


Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.9807, 75.6457, 79.5456 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 78.9807, 75.6457, 79.5456 by changing the saturation by 10% instead.




 78.9807, 75.6457,  
79.5456

 78.9807, 75.6457,  
79.5456


480.2801,  
480.1340, 513.0665

 59.1855, 56.1420,  
58.8205


130.8898,  
127.2260, 134.5323

 43.0094, 40.3168,  
42.0496


163.7343,  
160.0713, 169.6310

 30.0871, 27.7856,  
28.8143


201.6594,  
198.1327, 210.3580

 20.0531, 18.1641,  
18.6960

245.0304,  
241.7946, 257.1319

 12.5421, 11.0679,  
11.2762

294.2126,  
291.4412, 310.3711

 7.1888, 6.1125,  
6.1365

349.5714,

 3.6279, 2.9136,

347.4571, 370.4943

2.8581

411.4721,  
410.2265, 437.9199

■ 1.4938, 1.0868,  
1.0226

■ 0.3216, 0.0000,  
0.0000

■ 78.9807, 75.6457,  
79.5456

■ 78.9807, 75.6457,  
79.5456

■ 70.2380, 62.4965,  
63.2637

■ 89.1109, 90.9769,  
98.1183

■ 62.8170, 51.4208,  
49.1789

95.0500, 100.0000,  
108.9000

■ 56.6544, 42.3155,  
37.1981

■ 51.6795, 35.0646,  
27.2194

■ 47.8147, 29.5401,  
19.1326

■ 44.9727, 25.5976,  
12.8166

■ 43.0530, 23.0691,  
8.1358

■ 41.9337, 21.7480,  
4.9341

■ 41.6096, 21.4079,  
3.8765

# Harmonies

## Analogous

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



78.5331, 75.6457, 89.9410



78.9807, 75.6457, 79.5456



77.4815, 75.6457, 70.6717

# Triad

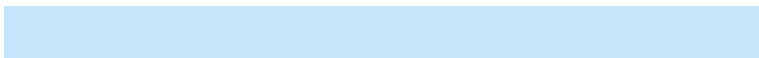
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.9807, 75.6457, 79.5456



67.6907, 75.6457, 67.7373



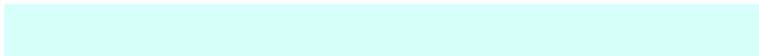
69.3614, 75.6457, 102.2198

# Complementary

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



78.9807, 75.6457, 79.5456



81.1803, 92.9597, 103.2907

# 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.



66.5913, 75.6457, 95.2825



78.9807, 75.6457, 79.5456



65.6494, 75.6457, 75.2274

# Square

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



78.9807, 75.6457, 79.5456



70.9075, 75.6457, 64.2366



65.2537, 75.6457, 85.2509



72.8996, 75.6457, 103.6192



# Rectangle

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



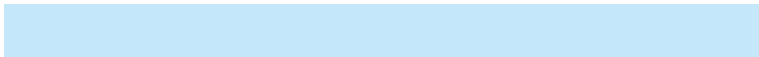
78.9807, 75.6457, 79.5456



75.6083, 75.6457, 66.6068



65.2537, 75.6457, 85.2509



68.3130, 75.6457, 100.4318

# Sweetspot

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



78.9825, 75.6489, 79.5472



89.4277, 91.4576, 98.6952



81.4967, 76.3831, 105.0558



18.9783, 19.3285, 20.8281



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

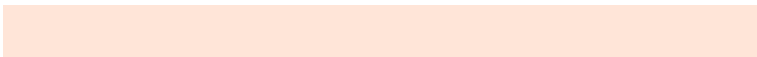
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.9825, 75.6489, 79.5472



76.4800, 71.8760, 74.9149



81.6559, 82.2591, 76.5438



18.1232, 18.0326, 19.2659



21.7756, 11.1995, 2.2029



2.1518, 1.1031, 0.3810



# Inverse Universe

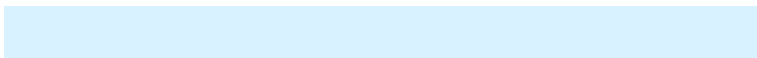
The Inverse Universe completely reimagines the original color for something new.



78.9825, 75.6489, 79.5472



76.4800, 71.8760, 74.9149



78.1235, 85.3254, 106.9596



18.1232, 18.0326, 19.2659



21.7756, 11.1995, 2.2029

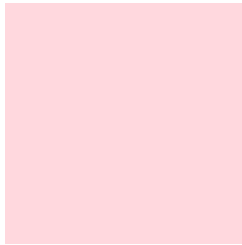


2.1518, 1.1031, 0.3810



# Previews

## White Background



This preview shows how the XYZ color 78.9807, 75.6457, 79.5456 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 78.9807, 75.6457, 79.5456 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 78.9807, 75.6457, 79.5456**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.9807, 75.6457, 79.5456.



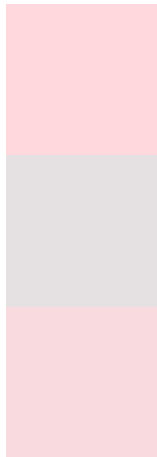
This preview shows how white text looks on a background with the XYZ color 78.9807, 75.6457,

79.5456.

# 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

78.9807, 75.6457, 79.5456

### Protanopia

73.1034, 76.0545, 83.5001

### Deuteranopia

77.3231, 75.5565, 79.6157



## Tritanopia

79.9642, 75.6304, 85.9849

# Trichromacy



## Original Color

78.9807, 75.6457, 79.5456

## Protanomaly

74.9718, 75.8559, 81.9244

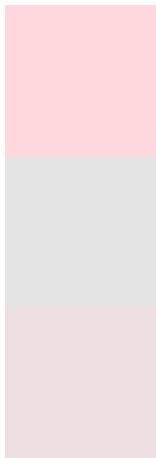
## Deuteranomaly

77.7813, 75.4089, 79.5631

## Tritanomaly

79.5440, 75.4623, 83.7720

# Monochromacy



## Original Color

78.9807, 75.6457, 79.5456

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

75.6430, 76.9794, 82.8232

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.9807, 75.6457, 79.5456 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, 216, 222) looks like.

```
.text, #text, p{  
    color:rgb(255, 216, 222)  
}
```

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, 216, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 216, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 78.9807, 75.6457, 79.5456 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, 216, 222) }
```



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

```
.border{ border-color:rgb(255, 216, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 216, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 216, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 216, 222);  
box-shadow:4px 4px 4px 4px rgb(255, 216,  
222) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.9807, 75.6457, 79.5456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 216, 222) }
```

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

```
.background{ background-color: rgb(255,  
216, 222) }
```

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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