

# Converting Colors

XYZ(75.8537, 72.6565, 83.4741)

Have a look what the booklet for  
XYZ(75.8537, 72.6565, 83.4741)  
contains.

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# Color

**XYZ(75.8039, 72.7828,  
83.4520)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | F6D5E4                     |
| RGB         | 246, 213, 228              |
| RGB Percent | 96%, 84%, 89%              |
| CMY         | 0.0353, 0.1647, 0.1059     |
| CMYK        | 0.00, 0.13, 0.07, 0.04     |
| HSL         | 333°, 65%, 90%             |
| HSV         | 333°, 13%, 96%             |
| XYZ         | 75.8039, 72.7828, 83.4520  |
| YIQ         | 224.5770, 14.8530, 11.6610 |

# Conversions

## Conversions Part 2

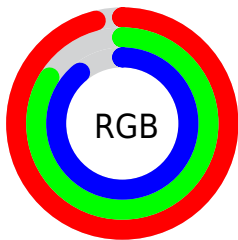
| Format                              | Color                        |
|-------------------------------------|------------------------------|
| R <sub>Y</sub> B                    | 246, 213, 228                |
| Decimal                             | 16176612                     |
| CIE Lab                             | 88.34, 13.92, -3.13          |
| CIE LCh                             | 88, 14.271, 347.345          |
| Yxy                                 | 72.7828, 0.3267,<br>0.3137   |
| Android<br>(android.graphics.Color) | 4294366692<br>(0xFFFF6D5E4)  |
| YUV                                 | 224.5770, 1.6875,<br>18.7880 |
| Hunter-Lab                          | 85.3128, 9.3070,<br>1.7222   |

# Details

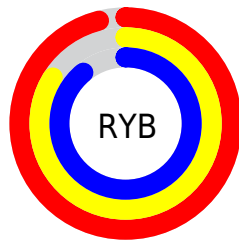
The XYZ color **75.8039, 72.7828, 83.4520** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **74.8230, 85.8291, 88.2285**, and the grayscale version is **71.2471, 74.9575, 81.6287**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.0049, 38.4180, 44.7894** is the 20% darker color. If you saturate the color by 10%, you get **68.2885, 60.6179, 72.1096**, and if you desaturate by 10%, it is **84.4066, 86.8890, 95.8721**.

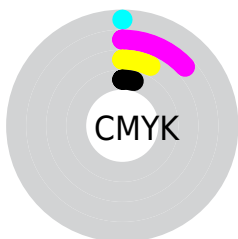
# Distribution



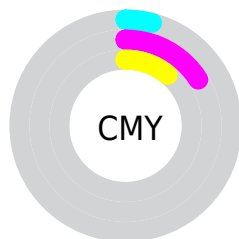
- Red (96%)
- Green (84%)
- Blue (89%)



- Red (96%)
- Yellow (84%)
- Blue (89%)



- Cyan (0%)
- Magenta (13%)
- Yellow (7%)
- Black (4%)




- Cyan (4%)
- Magenta (16%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.8039, 72.7828, 83.4520 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 75.8039, 72.7828, 83.4520 by changing the saturation by 10% instead.



 75.8039, 72.7828,  
83.4520

 75.8039, 72.7828,  
83.4520


469.6309,  
470.2617, 526.5021

 56.5682, 53.7984,  
62.0203


126.4315,  
123.1688, 140.0632

 40.8975, 38.4405,  
44.6132


158.5541,  
155.3392, 176.0799

 28.4263, 26.3247,  
30.8122

195.7031,  
192.6737, 217.7953

 18.7893, 17.0667,  
20.1986

238.2438,  
235.5567, 265.6279

 11.6213, 10.2821,  
12.3540

286.5416,  
284.3726, 319.9964

 6.5567, 5.5864,  
6.8598

340.9618,

 3.2303, 2.5953,

339.5058, 381.3192

3.2974

401.8698,  
401.3407, 450.0149

■ 1.2767, 0.9243,  
1.2484

■ 0.1657, 0.0000,  
0.0190

■ 75.8039, 72.7828,  
83.4520

■ 75.8039, 72.7828,  
83.4520

■ 68.2885, 60.6179,  
72.1096

■ 84.4066, 86.8890,  
95.8721

■ 61.8088, 50.2991,  
61.8091

■ 91.7909, 98.3228,  
108.6142

■ 56.3181, 41.7376,  
52.5189

■ 91.8165, 98.3331,  
108.7487

■ 51.7637, 34.8333,  
44.2043

■ 48.0874, 29.4760,  
36.8277

■ 45.2245, 25.5421,  
30.3489

■ 43.1001, 22.8884,  
24.7232

■ 41.6241, 21.3414,  
19.8997

■ 40.9201, 20.7585,  
17.1215

# Harmonies

## Analogous

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



74.1347, 72.7828, 92.7258



75.8039, 72.7828, 83.4520



75.6558, 72.7828, 73.7577

# Triad

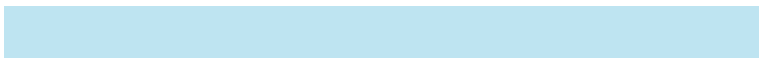
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.8039, 72.7828, 83.4520



67.2332, 72.7828, 62.5752



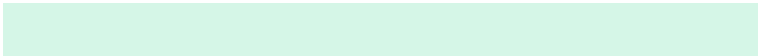
64.8112, 72.7828, 93.9428

# Complementary

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



75.8039, 72.7828, 83.4520



74.8230, 85.8291, 88.2285

# 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.



63.0807, 72.7828, 85.0044



75.8039, 72.7828, 83.4520



64.4471, 72.7828, 67.1440

# Square

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



75.8039, 72.7828, 83.4520



70.6306, 72.7828, 62.2346



62.9497, 72.7828, 75.1878



67.7452, 72.7828, 99.1099

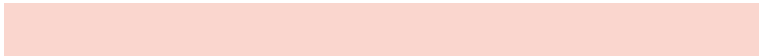


# Rectangle

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



75.8039, 72.7828, 83.4520



74.5461, 72.7828, 68.3496



62.9497, 72.7828, 75.1878



64.0737, 72.7828, 91.2475

# Sweetspot

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



75.8060, 72.7860, 83.4536



90.9989, 93.3106, 103.1938



73.2576, 71.1683, 97.0655



19.3191, 19.7115, 21.8626



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

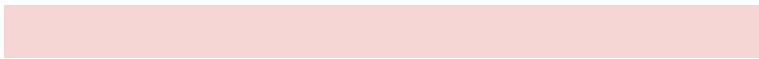
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.8060, 72.7860, 83.4536



80.0084, 75.3229, 87.2201



74.0908, 72.5441, 73.0521



16.8123, 16.6078, 18.7581



21.9100, 11.1075, 9.5006



1.9768, 0.9967, 1.1043



# Inverse Universe

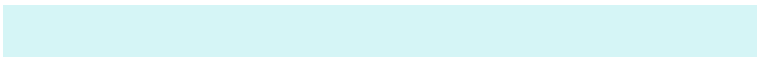
The Inverse Universe completely reimagines the original color for something new.



75.8060, 72.7860, 83.4536



80.0084, 75.3229, 87.2201



76.6996, 86.0461, 99.7558



16.8123, 16.6078, 18.7581



21.9100, 11.1075, 9.5006

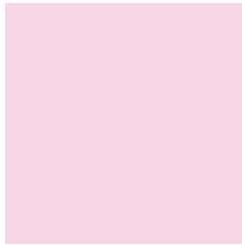


1.9768, 0.9967, 1.1043



# Previews

## White Background



This preview shows how the XYZ color 75.8039, 72.7828, 83.4520 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

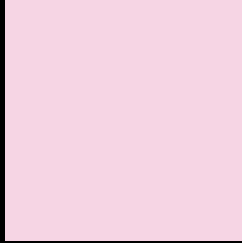
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.8039, 72.7828, 83.4520 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 75.8039, 72.7828, 83.4520**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.8039, 72.7828, 83.4520.



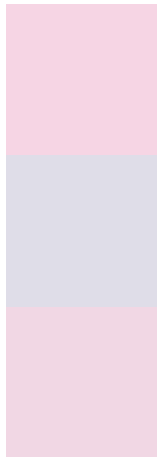
This preview shows how white text looks on a background with the XYZ color 75.8039, 72.7828,

83.4520.

# 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

75.8039, 72.7828, 83.4520

### Protanopia

70.8534, 73.2271, 86.7438

### Deuteranopia

74.5797, 72.9031, 83.5397



## Tritanopia

75.9431, 72.8385, 84.1853

# Trichromacy



## Original Color

75.8039, 72.7828, 83.4520

## Protanomaly

72.4502, 72.9013, 85.8541

## Deuteranomaly

75.0123, 72.7493, 83.4872

## Tritanomaly

75.9431, 72.8385, 84.1853

# Monochromacy



## Original Color

75.8039, 72.7828, 83.4520

## Achromatopsia

71.5672, 75.2942, 81.9954

## Achromatomaly

73.1882, 74.5275, 82.4793

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.8039, 72.7828, 83.4520 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(246, 213, 228) looks like.

```
.text, #text, p{  
    color:rgb(246, 213, 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(246, 213, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 213, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 75.8039, 72.7828, 83.4520 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(246, 213, 228) }
```



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

```
.border{ border-color:rgb(246, 213, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 213, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 213, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 213, 228);  
box-shadow:4px 4px 4px 4px rgb(246, 213,  
228) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.8039, 72.7828, 83.4520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 213, 228) }
```

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

```
.background{ background-color: rgb(246,  
213, 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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