

# Converting Colors

XYZ(76.1774, 77.0970, 78.9127)

Have a look what the booklet for  
XYZ(76.1774, 77.0970, 78.9127)  
contains.

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# Color

**XYZ(75.9239, 76.8199,  
78.5363)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2DFDC
RGB	242, 223, 220
RGB Percent	95%, 87%, 86%
CMY	0.0510, 0.1255, 0.1372
CMYK	0.00, 0.08, 0.09, 0.05
HSL	8°, 46%, 91%
HSV	8°, 9%, 95%
XYZ	75.9239, 76.8199, 78.5363
YIQ	228.3390, 12.2870, 3.0950

# Conversions

## Conversions Part 2

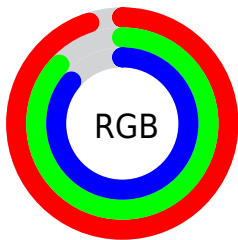
Format	Color
R <sub>Y</sub> B	242, 223, 220
Decimal	15917020
CIE Lab	90.24, 6.00, 3.81
CIE LCh	90, 7.108, 32.385
Yxy	76.8199, 0.3283, 0.3322
Android (android.graphics.Color)	4294107100 (0xFFFF2DFDC)
YUV	228.3390, -4.1111, 11.9807
Hunter-Lab	87.6470, 1.2429, 8.2259

# Details

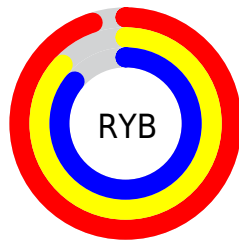
The XYZ color **75.9239, 76.8199, 78.5363** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **76.4085, 83.3580, 96.0678**, and the grayscale version is **74.0156, 77.8702, 84.8007**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.0439, 41.1610, 41.3789** is the 20% darker color. If you saturate the color by 10%, you get **67.7060, 65.1468, 61.1123**, and if you desaturate by 10%, it is **85.2991, 90.0633, 98.6369**.

# Distribution



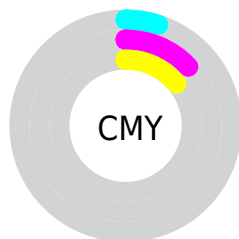
- Red (95%)
- Green (87%)
- Blue (86%)



- Red (95%)
- Yellow (87%)
- Blue (86%)



- Cyan (0%)
- Magenta (8%)
- Yellow (9%)
- Black (5%)




- Cyan (5%)
- Magenta (13%)
- Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.9239, 76.8199, 78.5363 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 75.9239, 76.8199, 78.5363 by changing the saturation by 10% instead.




 75.9239, 76.8199,  
78.5363

 75.9239, 76.8199,  
78.5363


470.0355,  
484.1498, 509.5624

 56.6669, 57.1051,  
57.9956


126.6003,  
128.8852, 133.0986

 40.9770, 41.0896,  
41.3904


158.7504,  
162.0045, 167.9573

 28.4887, 28.3891,  
28.3023


195.9289,  
200.3607, 208.4256

 18.8367, 18.6192,  
18.3126

238.5013,  
244.3383, 254.9223

 11.6557, 11.3954,  
11.0029

286.8327,  
294.3216, 307.8657

 6.5802, 6.3335,  
5.9546

341.2887,

 3.2449, 3.0489,

350.6950, 367.6746

2.7491

402.2345,  
413.8429, 434.7672

■ 1.2846, 1.1573,  
0.9680

■ 0.1716, 0.0264,  
0.0000

■ 75.9239, 76.8199,  
78.5363

■ 75.9239, 76.8199,  
78.5363

■ 67.7060, 65.1468,  
61.1123

■ 85.2991, 90.0633,  
98.6369

■ 60.5941, 54.9759,  
46.2471

■ 90.4283, 97.6174,  
108.6837

■ 54.5426, 46.2491,  
33.8214

■ 49.5002, 38.9008,  
23.7047

■ 45.4113, 32.8600,  
15.7538

■ 42.2149, 28.0495,  
9.8101

■ 39.8426, 24.3840,  
5.6927

■ 38.2158, 21.7669,  
3.1882

■ 37.2298, 20.0812,  
1.9770

# Harmonies

## Analogous

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



76.4649, 76.8199, 83.2393



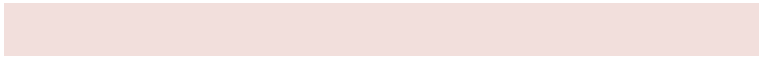
75.9239, 76.8199, 78.5363



74.6023, 76.8199, 75.3093

# Triad

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



75.9239, 76.8199, 78.5363



70.0437, 76.8199, 79.2111



73.1566, 76.8199, 93.7544

# Complementary

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



75.9239, 76.8199, 78.5363



76.4085, 83.3580, 96.0678

# 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.



71.4504, 76.8199, 92.5716



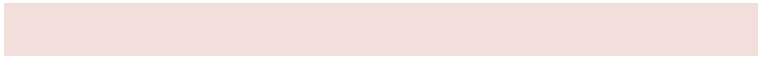
75.9239, 76.8199, 78.5363



69.6705, 76.8199, 84.0496

# Square

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



75.9239, 76.8199, 78.5363



71.2091, 76.8199, 75.6877



70.1814, 76.8199, 88.9681



74.8512, 76.8199, 92.1388



# Rectangle

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



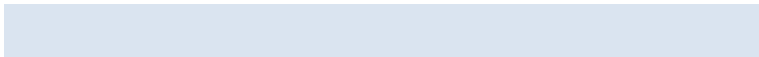
75.9239, 76.8199, 78.5363



73.4665, 76.8199, 74.3591



70.1814, 76.8199, 88.9681



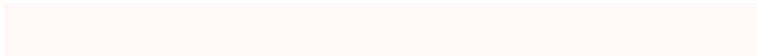
72.5654, 76.8199, 93.6709

# Sweetspot

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



75.9260, 76.8233, 78.5379



91.7714, 95.3748, 101.8514



77.8020, 76.3007, 92.3408



19.4597, 20.1554, 21.4073



0.0000, 0.0000, 0.0000

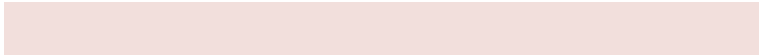


20.3446, 21.4041, 23.3091

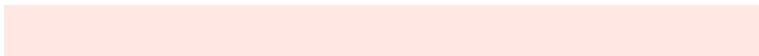


# Same Dimension

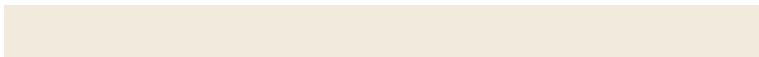
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.9260, 76.8233, 78.5379



83.6127, 83.8322, 84.4112



78.9410, 82.8533, 79.5429



15.9468, 16.1068, 16.4182



20.0206, 10.8393, 1.0370



1.7196, 1.0099, 0.1043

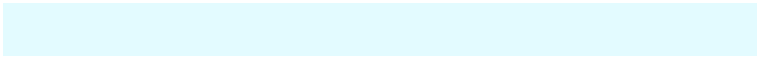


# Inverse Universe

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



76.4085, 83.3580, 96.0678



84.2630, 92.6432, 108.0485



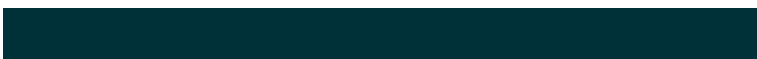
73.3050, 77.1511, 95.0333



16.0526, 17.5393, 20.2610



20.9271, 28.0784, 49.4446

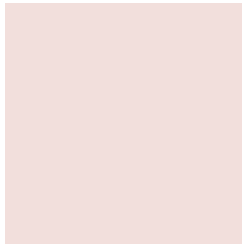


1.7913, 2.4365, 4.1301



# Previews

## White Background



This preview shows how the XYZ color 75.9239, 76.8199, 78.5363 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

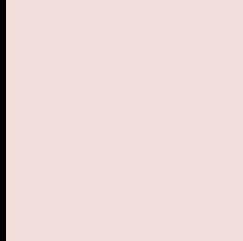
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.9239, 76.8199, 78.5363 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

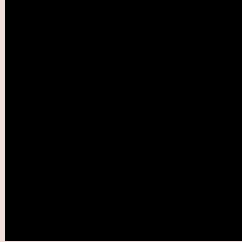
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

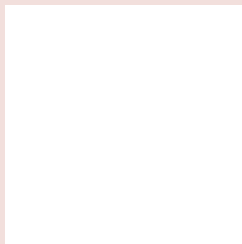
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 75.9239, 76.8199, 78.5363**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.9239, 76.8199, 78.5363.



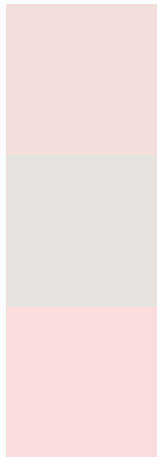
This preview shows how white text looks on a background with the XYZ color 75.9239, 76.8199,



# 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

75.9239, 76.8199, 78.5363

### Protanopia

73.6599, 76.8224, 80.0532

### Deuteranopia

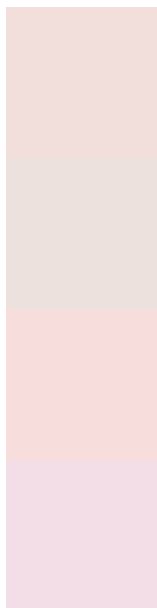
78.4280, 76.9161, 79.1193



## Tritanopia

78.3340, 76.5925, 91.5441

# Trichromacy



## Original Color

75.9239, 76.8199, 78.5363

## Protanomaly

74.5684, 76.9038, 79.3203

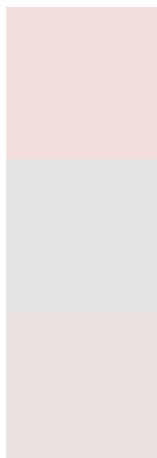
## Deuteranomaly

77.6190, 76.8898, 79.1569

## Tritanomaly

77.2424, 76.5371, 86.3033

# Monochromacy



## Original Color

75.9239, 76.8199, 78.5363

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

74.3912, 77.1526, 82.2053

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.9239, 76.8199, 78.5363 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(242, 223, 220) looks like.

```
.text, #text, p{  
    color:rgb(242, 223, 220)  
}
```

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(242, 223, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 223, 220) }
```

## Border

The CSS property to change the border of an element to XYZ 75.9239, 76.8199, 78.5363 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(242, 223, 220) }
```



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

```
.border{ border-color:rgb(242, 223, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 223, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 223, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 223, 220);  
box-shadow:4px 4px 4px 4px rgb(242, 223,  
220) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.9239, 76.8199, 78.5363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 223, 220) }
```

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

```
.background{ background-color: rgb(242,  
223, 220) }
```

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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