

# Converting Colors

XYZ(76.6641, 77.9129, 87.9665)

Have a look what the booklet for  
XYZ(76.6641, 77.9129, 87.9665)  
contains.

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# **Color**

**XYZ(76.5582, 77.7381,  
88.0607)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDE1E9
RGB	237, 225, 233
RGB Percent	93%, 88%, 91%
CMY	0.0706, 0.1176, 0.0863
CMYK	0.00, 0.05, 0.02, 0.07
HSL	320°, 25%, 91%
HSV	320°, 5%, 93%
XYZ	76.5582, 77.7381, 88.0607
YIQ	229.5000, 4.5840, 5.0320

# Conversions

## Conversions Part 2

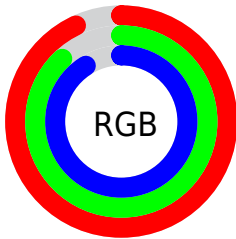
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	237, 225, 233
Decimal	15589865
CIE Lab	90.66, 5.47, -2.44
CIE LCh	91, 5.993, 335.954
Yxy	77.7381, 0.3159, 0.3208
Android (android.graphics.Color)	4293779945 (0xFFEDE1E9)
YUV	229.5000, 1.7255, 6.5775
Hunter-Lab	88.1692, 0.6972, 2.5014

# Details

The XYZ color **76.5582, 77.7381, 88.0607** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75.4813, 82.2350, 86.0273**, and the grayscale version is **74.8316, 78.7287, 85.7355**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.3666, 41.7475, 47.4728** is the 20% darker color. If you saturate the color by 10%, you get **69.4876, 65.3622, 80.2588**, and if you desaturate by 10%, it is **84.5731, 91.9194, 96.4287**.

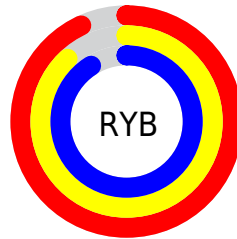
# Distribution



Red (93%)

Green (88%)

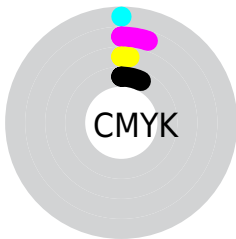
Blue (91%)



Red (93%)

Yellow (88%)

Blue (91%)

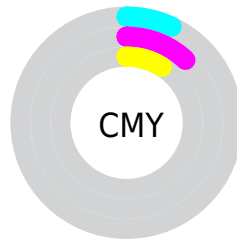


Cyan (0%)

Magenta (5%)

Yellow (2%)

Black (7%)



Cyan (7%)

Magenta (12%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.5582, 77.7381, 88.0607 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 76.5582, 77.7381, 88.0607 by changing the saturation by 10% instead.



76.5582, 77.7381,  
88.0607

76.5582, 77.7381,  
88.0607

472.1714,  
487.2769, 542.1084

57.1890, 57.8589,  
65.8087

127.4918,  
130.1809, 146.5535

41.3977, 41.6952,  
47.6616

159.7869,  
163.5132, 183.6315

28.8190, 28.8627,  
33.2009

197.1214,  
202.0986, 226.4885

19.0876, 18.9770,  
22.0080

239.8606,  
246.3216, 275.5431

11.8379, 11.6536,  
13.6644

288.3698,  
296.5666, 331.2139

6.7048, 6.5083,  
7.7516

343.0145,

3.3229, 3.1565,

353.2178, 393.9193

3.8509

404.1599,  
416.6598, 464.0780

■ 1.3267, 1.2140,  
1.5439

■ 0.2031, 0.0731,  
0.2503

■ 76.5582, 77.7381,  
88.0607

■ 76.5582, 77.7381,  
88.0607

■ 69.4876, 65.3622,  
80.2588

■ 84.5731, 91.9194,  
96.4287

■ 63.3175, 54.7087,  
73.0025

■ 87.7542, 96.3522,  
103.4370

■ 58.0106, 45.7027,  
66.2768

■ 88.7355, 96.7448,  
108.6045

■ 53.5242, 38.2601,  
60.0642

■ 49.8121, 32.2893,  
54.3458

■ 46.8229, 27.6891,  
49.1011

■ 44.4991, 24.3451,  
44.3073

■ 42.7736, 22.1248,  
39.9383

■ 41.5643, 20.8649,  
35.9630

# Harmonies

## Analogous

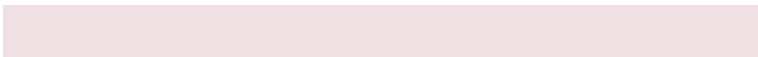
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.5974, 77.7381, 91.5211



76.5582, 77.7381, 88.0607



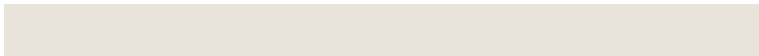
76.7993, 77.7381, 83.7880

# Triad

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



76.5582, 77.7381, 88.0607



73.5884, 77.7381, 76.6763



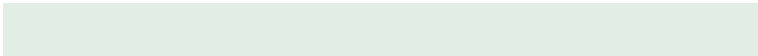
71.5732, 77.7381, 89.5962

# Complementary

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



76.5582, 77.7381, 88.0607



75.4813, 82.2350, 86.0273

# 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.



71.0507, 77.7381, 85.5050



76.5582, 77.7381, 88.0607



72.2040, 77.7381, 78.1196

# Square

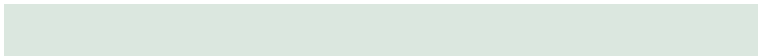
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



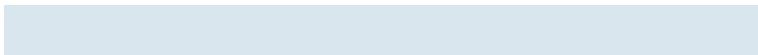
76.5582, 77.7381, 88.0607



75.0715, 77.7381, 77.3086



71.2801, 77.7381, 81.3160



72.7165, 77.7381, 92.4284

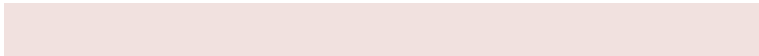


# Rectangle

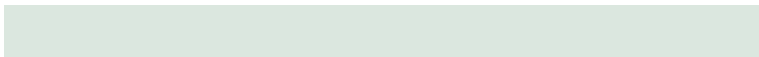
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.5582, 77.7381, 88.0607



76.5166, 77.7381, 81.0730



71.2801, 77.7381, 81.3160



71.3198, 77.7381, 88.3174

# Sweetspot

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



76.5604, 77.7415, 88.0624



93.1719, 96.6800, 106.9293



74.5274, 76.6266, 90.9842



19.9623, 20.7283, 22.9080



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

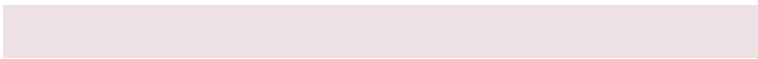
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.5604, 77.7415, 88.0624



89.5512, 90.2994, 103.0687



75.7180, 77.4045, 83.6263



15.9240, 15.9867, 18.3343



22.4995, 11.2025, 18.9634



1.8111, 0.8974, 1.7225



# Inverse Universe

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



76.5604, 77.7415, 88.0624



89.5512, 90.2994, 103.0687



76.3333, 82.5759, 90.5144



15.9240, 15.9867, 18.3343



22.4995, 11.2025, 18.9634

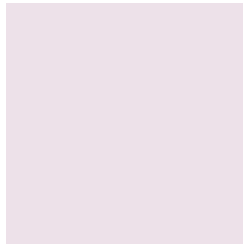


1.8111, 0.8974, 1.7225



# Previews

## White Background



This preview shows how the XYZ color 76.5582, 77.7381, 88.0607 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

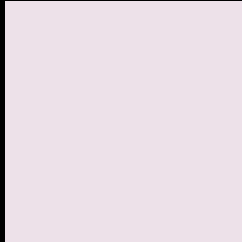
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.5582, 77.7381, 88.0607 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

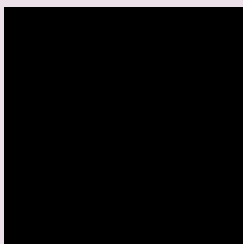
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

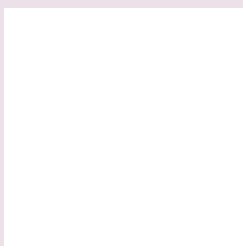
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 76.5582, 77.7381, 88.0607**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.5582, 77.7381, 88.0607.



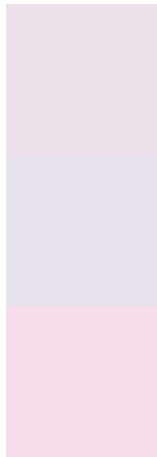
This preview shows how white text looks on a background with the XYZ color 76.5582, 77.7381,



# 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

76.5582, 77.7381, 88.0607

### Protanopia

74.9535, 77.7017, 88.8894

### Deuteranopia

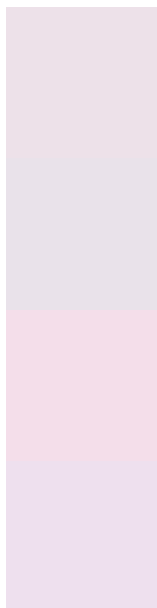
79.4191, 77.6099, 88.6363



## Tritanopia

77.7927, 77.8393, 94.1435

# Trichromacy



## Original Color

76.5582, 77.7381, 88.0607

## Protanomaly

75.6519, 77.6569, 88.8439

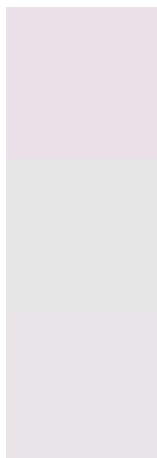
## Deuteranomaly

78.2808, 77.4162, 88.6589

## Tritanomaly

77.3482, 77.6615, 91.8024

# Monochromacy



## Original Color

76.5582, 77.7381, 88.0607

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

75.7715, 78.5800, 86.7752

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.5582, 77.7381, 88.0607 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(237, 225, 233) looks like.

```
.text, #text, p{  
    color:rgb(237, 225, 233)  
}
```

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(237, 225, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 225, 233) }
```

## Border

The CSS property to change the border of an element to XYZ 76.5582, 77.7381, 88.0607 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(237, 225, 233) }
```



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

```
.border{ border-color:rgb(237, 225, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 225, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 225, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 225, 233);  
box-shadow:4px 4px 4px 4px rgb(237, 225,  
233) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.5582, 77.7381, 88.0607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 225, 233) }
```

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

```
.background{ background-color: rgb(237,  
225, 233) }
```

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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