

# Converting Colors

XYZ(76.5120, 81.4700, 89.7336)

Have a look what the booklet for  
XYZ(76.5120, 81.4700, 89.7336)  
contains.

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# Color

**XYZ(76.5872, 81.4442,  
89.5256)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5EAEA
RGB	229, 234, 234
RGB Percent	90%, 92%, 92%
CMY	0.1020, 0.0823, 0.0823
CMYK	0.02, 0.00, 0.00, 0.08
HSL	180°, 11%, 91%
HSV	180°, 2%, 92%
XYZ	76.5872, 81.4442, 89.5256
YIQ	232.5050, -2.9800, -1.0600

# Conversions

## Conversions Part 2

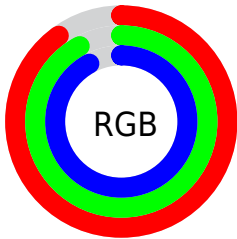
Format	Color
R <sub>Y</sub> B	229, 232, 234
Decimal	15067882
CIE Lab	92.33, -1.66, -0.59
CIE LCh	92, 1.763, 199.636
Yxy	81.4442, 0.3094, 0.3290
Android (android.graphics.Color)	4293257962 (0xFFE5EAEA)
YUV	232.5050, 0.7370, -3.0739
Hunter-Lab	90.2464, -6.4481, 4.3561

# Details

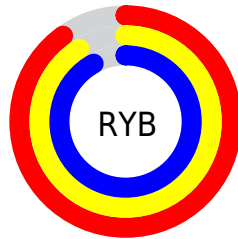
The XYZ color **76.5872, 81.4442, 89.5256** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **76.0969, 79.1903, 85.4073**, and the grayscale version is **77.0784, 81.0925, 88.3097**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.4118, 44.0538, 48.4401** is the 20% darker color. If you saturate the color by 10%, you get **69.6162, 77.8531, 89.1871**, and if you desaturate by 10%, it is **84.5693, 85.5611, 89.9147**.

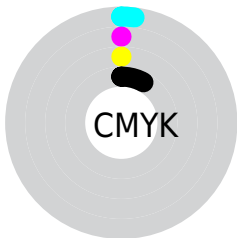
# Distribution



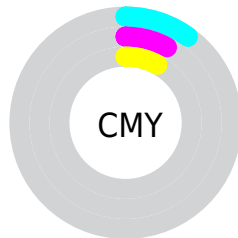
- Red (90%)
- Green (92%)
- Blue (92%)



- Red (90%)
- Yellow (91%)
- Blue (92%)



- Cyan (2%)
- Magenta (0%)
- Yellow (0%)
- Black (8%)



- Cyan (10%)
- Magenta (8%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.5872, 81.4442, 89.5256 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 76.5872, 81.4442, 89.5256 by changing the saturation by 10% instead.



■ 76.5872, 81.4442,  
89.5256

■ 76.5872, 81.4442,  
89.5256

472.2690,  
499.7867, 547.0167

■ 57.2129, 60.9075,  
67.0157

127.5325,  
135.3943, 148.6090

■ 41.4170, 44.1505,  
48.6357

159.8343,  
169.5765, 186.0197

■ 28.8342, 30.7889,  
33.9671

197.1759,  
209.0760, 229.2343

■ 19.0991, 20.4381,  
22.5911

239.9227,  
254.2772, 278.6715

■ 11.8463, 12.7139,  
14.0894

288.4400,  
305.5644, 334.7498

■ 6.7106, 7.2318,  
8.0434

343.0933,

■ 3.3265, 3.6075,

363.3222, 397.8877

4.0346

404.2478,  
427.9348, 468.5039

■ 1.3287, 1.4565,  
1.6443

■ 0.2045, 0.2578,  
0.3222

■ 76.5872, 81.4442,  
89.5256

■ 76.5872, 81.4442,  
89.5256

■ 69.6162, 77.8531,  
89.1871

■ 84.5693, 85.5611,  
89.9147

■ 63.6094, 74.7568,  
88.8921


■ 85.5212, 86.0515,  
89.9732


■ 58.5263, 72.1367,  
88.6403


■ 85.5239, 86.0526,  
89.9872


■ 54.3213, 69.9692,  
88.4297


■ 85.5266, 86.0537,  
90.0012


 50.9445, 68.2287,  
88.2577

 85.5292, 86.0547,  
90.0153

 48.3413, 66.8870,  
88.1220


 85.5319, 86.0558,  
90.0293


 46.4504, 65.9125,  
88.0196

 85.5346, 86.0569,  
90.0433

 45.2012, 65.2689,  
87.9473

 85.5372, 86.0579,  
90.0574

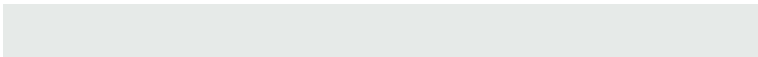
 44.5089, 64.9123,  
87.9010

 85.5399, 86.0590,  
90.0714

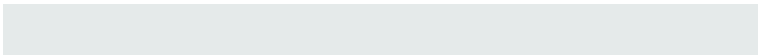
# Harmonies

## Analogous

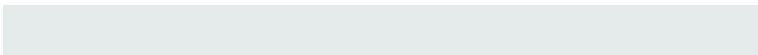
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.5508, 81.4442, 88.2278



76.5872, 81.4442, 89.5256



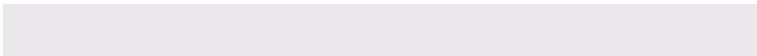
76.8437, 81.4442, 90.6064

# Triad

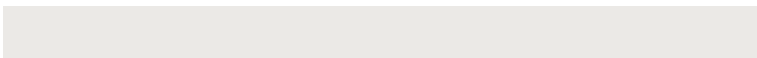
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.5872, 81.4442, 89.5256



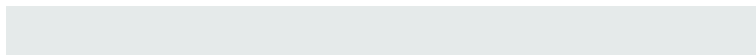
78.0804, 81.4442, 90.3155



77.5682, 81.4442, 86.2311

# Complementary

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



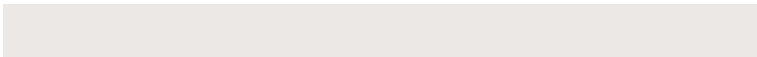
76.5872, 81.4442, 89.5256



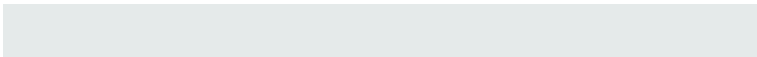
76.0969, 79.1903, 85.4073

# Split Complementary

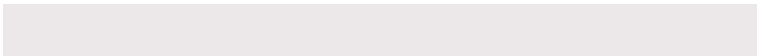
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.9796, 81.4442, 86.7789



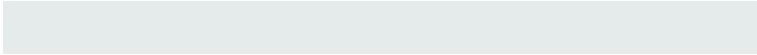
76.5872, 81.4442, 89.5256



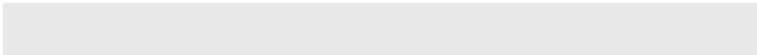
78.2762, 81.4442, 89.1315

# Square

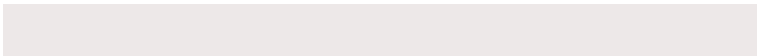
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



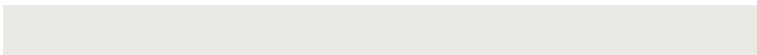
76.5872, 81.4442, 89.5256



77.7054, 81.4442, 91.0656



78.2392, 81.4442, 87.8375



77.1159, 81.4442, 86.3342



# Rectangle

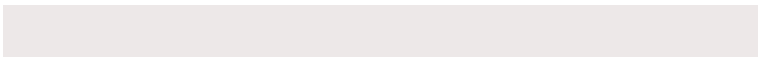
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



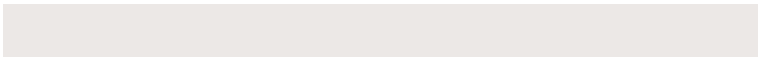
76.5872, 81.4442, 89.5256



77.1055, 81.4442, 91.0545



78.2392, 81.4442, 87.8375



77.7159, 81.4442, 86.3450

# Sweetspot

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



76.5895, 81.4477, 89.5274



94.1177, 99.5194, 108.8547



75.9077, 81.1780, 85.7981



20.1549, 21.3063, 23.2999



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

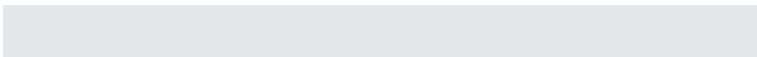
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.5895, 81.4477, 89.5274



92.2904, 98.5775, 108.7658



75.9062, 80.0801, 89.3024



16.3844, 17.5687, 19.4487



24.8650, 36.4004, 49.3813



1.9527, 2.8584, 3.8785

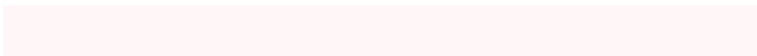


# Inverse Universe

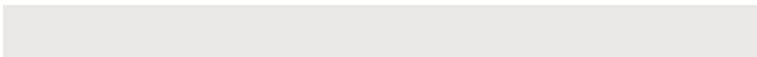
The Inverse Universe completely reimagines the original color for something new.



76.0969, 79.1903, 85.4073



91.4514, 94.7332, 101.7494



76.7702, 80.5379, 85.6290



16.1968, 16.7092, 17.8800



19.0686, 9.8301, 0.8965

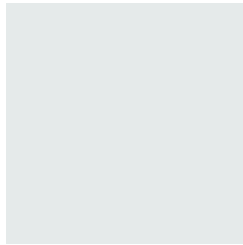


1.4975, 0.7720, 0.0713



# Previews

## White Background



This preview shows how the XYZ color 76.5872, 81.4442, 89.5256 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

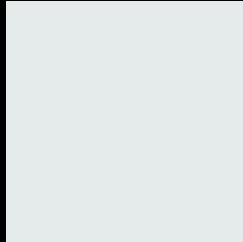
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.5872, 81.4442, 89.5256 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

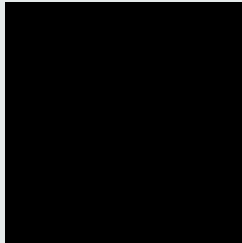
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

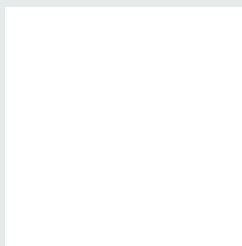
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 76.5872, 81.4442, 89.5256**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.5872, 81.4442, 89.5256.



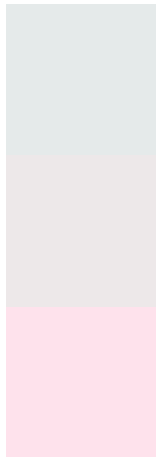
This preview shows how white text looks on a background with the XYZ color 76.5872, 81.4442,

89.5256.

# 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

76.5872, 81.4442, 89.5256

### Protanopia

78.4896, 81.6009, 88.7045

### Deuteranopia

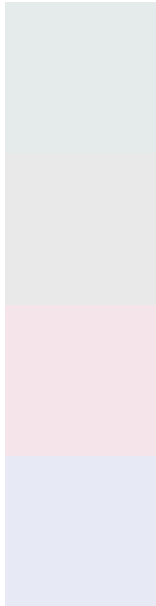
83.2097, 81.5197, 90.7061



## Tritanopia

79.3906, 81.7712, 102.0416

# Trichromacy



## Original Color

76.5872, 81.4442, 89.5256

## Protanomaly

77.7786, 81.6534, 88.7521

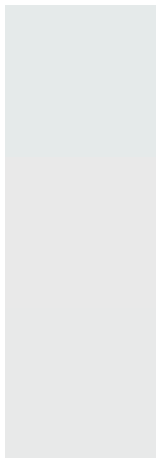
## Deuteranomaly

80.6709, 81.4493, 90.0667

## Tritanomaly

78.4230, 81.7984, 97.2433

# Monochromacy



## Original Color

76.5872, 81.4442, 89.5256

## Achromatopsia

77.4512, 81.4847, 88.7368

## Achromatomaly

77.1256, 81.3168, 88.7216

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.5872, 81.4442, 89.5256 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(229, 234, 234) looks like.

```
.text, #text, p{  
    color:rgb(229, 234, 234)  
}
```

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(229, 234, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 234, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 76.5872, 81.4442, 89.5256 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(229, 234, 234) }
```



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

```
.border{ border-color:rgb(229, 234, 234) }
```

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

Here you see how a box with a 4 pixel rgb(229, 234, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 234, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 234, 234);  
box-shadow:4px 4px 4px 4px rgb(229, 234,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.5872, 81.4442, 89.5256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 234, 234) }
```

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

```
.background{ background-color: rgb(229,  
234, 234) }
```

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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