

# Converting Colors

XYZ(76.7473, 81.0754, 86.4199)

Have a look what the booklet for  
XYZ(76.7473, 81.0754, 86.4199)  
contains.

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# **Color**

**XYZ(76.7006, 81.1468,  
86.4833)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8E9E6
RGB	232, 233, 230
RGB Percent	91%, 91%, 90%
CMY	0.0902, 0.0863, 0.0980
CMYK	0.00, 0.00, 0.01, 0.09
HSL	80°, 6%, 91%
HSV	80°, 1%, 91%
XYZ	76.7006, 81.1468, 86.4833
YIQ	232.3590, 0.3670, -1.1450

# Conversions

## Conversions Part 2

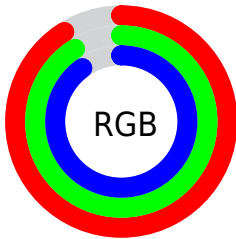
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	230, 233, 231
Decimal	15264230
CIE Lab	92.20, -0.86, 1.33
CIE LCh	92, 1.582, 123.020
Yxy	81.1468, 0.3139, 0.3321
Android (android.graphics.Color)	4293454310 (0xFFE8E9E6)
YUV	232.3590, -1.1630, -0.3148
Hunter-Lab	90.0815, -5.6575, 6.1353

# Details

The XYZ color **76.7006, 81.1468, 86.4833** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.9628, 79.4679, 88.4301**, and the grayscale version is **76.9809, 80.9899, 88.1980**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.3645, 43.7695, 46.8257** is the 20% darker color. If you saturate the color by 10%, you get **71.1735, 78.6530, 70.2704**, and if you desaturate by 10%, it is **82.7817, 83.8803, 105.0086**.

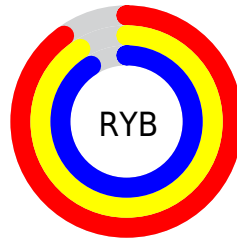
# Distribution



Red (91%)

Green (91%)

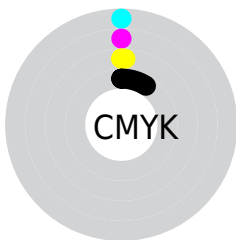
Blue (90%)



Red (90%)

Yellow (91%)

Blue (91%)

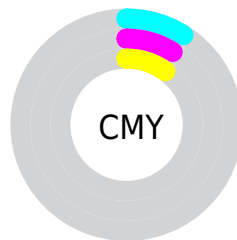


Cyan (0%)

Magenta (0%)

Yellow (1%)

Black (9%)



Cyan (9%)

Magenta (9%)

Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.7006, 81.1468, 86.4833 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 76.7006, 81.1468, 86.4833 by changing the saturation by 10% instead.



■ 76.7006, 81.1468,  
86.4833

■ 76.7006, 81.1468,  
86.4833

472.6502,  
498.7893, 536.7955

■ 57.3062, 60.6625,  
64.5105

127.6918,  
134.9769, 144.3362

■ 41.4923, 43.9529,  
46.6155

160.0195,  
169.0915, 181.0535

■ 28.8933, 30.6334,  
32.3796

197.3889,  
208.5182, 223.5226

■ 19.1440, 20.3199,  
21.3844

240.1654,  
253.6416, 272.1621

■ 11.8790, 12.6278,  
13.2113

288.7145,  
304.8461, 327.3907

■ 6.7329, 7.1727,  
7.4418

343.4014,

■ 3.3405, 3.5704,

362.5159, 389.6267

3.6573

404.5915,  
427.0355, 459.2888

■ 1.3363, 1.4363,  
1.4393

■ 0.2101, 0.2432,  
0.1721

■ 76.7006, 81.1468,  
86.4833

■ 76.7006, 81.1468,  
86.4833

■ 71.1735, 78.6530,  
70.2704

■ 82.7817, 83.8803,  
105.0086

■ 66.1750, 76.3807,  
56.2738

■ 85.7515, 85.3799,  
106.5681

■ 61.6874, 74.3255,  
44.3986

■ 88.4305, 86.7609,  
106.6935

■ 57.6897, 72.4786,  
34.5408

■ 54.1588, 70.8308,  
26.5877

■ 51.0697, 69.3717,  
20.4156

■ 48.3946, 68.0901,  
15.8862

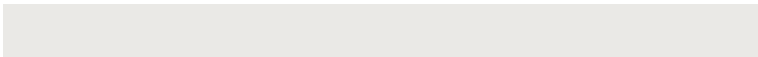
■ 46.1018, 66.9732,  
12.8407

■ 44.1534, 66.0055,  
11.0890

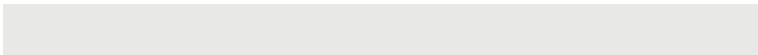
# Harmonies

## Analogous

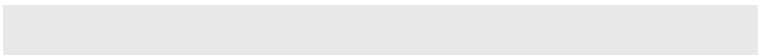
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.0862, 81.1468, 86.1289



76.7006, 81.1468, 86.4833



76.4301, 81.1468, 87.3390

# Triad

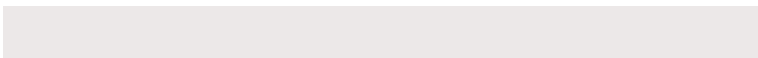
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.7006, 81.1468, 86.4833



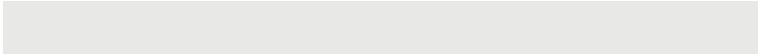
76.7720, 81.1468, 90.3738



77.9142, 81.1468, 88.2367

# Complementary

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



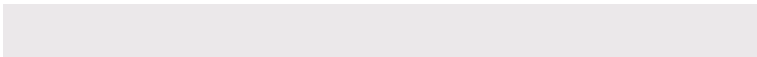
76.7006, 81.1468, 86.4833



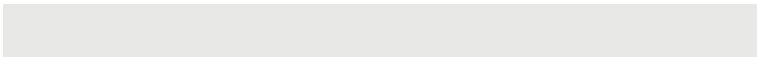
75.9628, 79.4679, 88.4301

# Split Complementary

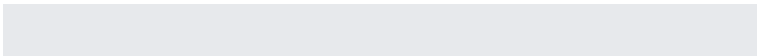
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.8293, 81.1468, 89.3790



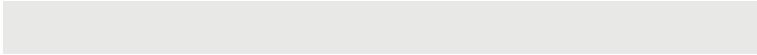
76.7006, 81.1468, 86.4833



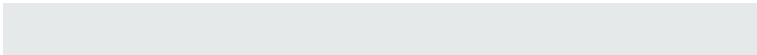
77.1690, 81.1468, 90.6193

# Square

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



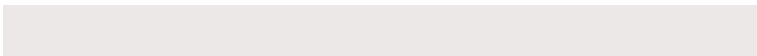
76.7006, 81.1468, 86.4833



76.4712, 81.1468, 89.5859



77.5562, 81.1468, 90.2537



77.7877, 81.1468, 87.1356



# Rectangle

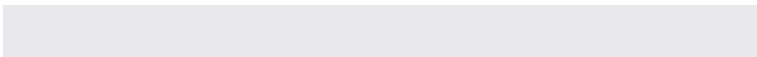
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



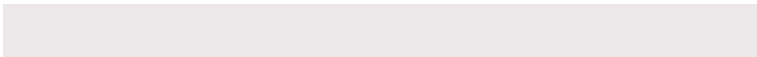
76.7006, 81.1468, 86.4833



76.3510, 81.1468, 88.0821



77.5562, 81.1468, 90.2537



77.9094, 81.1468, 88.6286

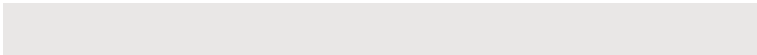
# Sweetspot

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



76.7029, 81.1503, 86.4851

95.0500, 100.0000, 108.9000



76.4660, 80.1913, 86.3125



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

# Same Dimension

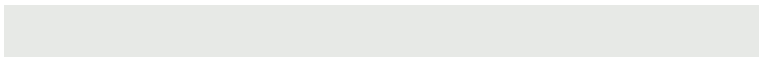
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.7029, 81.1503, 86.4851



93.6154, 99.3540, 104.6035



76.2182, 80.9004, 86.4624



16.7594, 17.7778, 18.7539



24.3555, 37.1002, 5.8774



2.0139, 2.9655, 0.4663

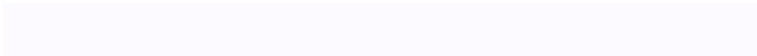


# Inverse Universe

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



75.9628, 79.4679, 88.4301



92.2063, 96.1507, 108.3069



76.4489, 79.7185, 88.4528



16.5217, 17.2375, 19.3786



10.2398, 4.3147, 44.0361

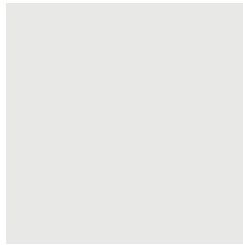


0.9028, 0.3897, 3.4625



# Previews

## White Background



This preview shows how the XYZ color 76.7006, 81.1468, 86.4833 looks on a white background.

## Color Contrast Check

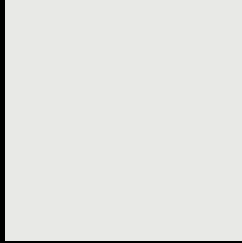
Large Text (above 18pt) WCAG AA × Fail

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 76.7006, 81.1468, 86.4833 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

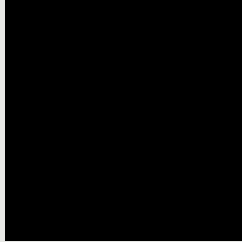
Any Text WCAG AAA ✓ Pass

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

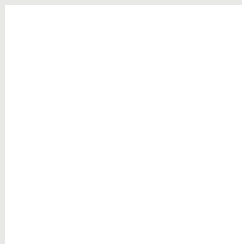


**XYZ 76.7006, 81.1468, 86.4833**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.7006, 81.1468, 86.4833.



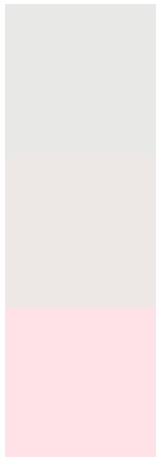
This preview shows how white text looks on a background with the XYZ color 76.7006, 81.1468,

86.4833.

# 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

76.7006, 81.1468, 86.4833

### Protanopia

77.6438, 80.8135, 85.6350

### Deuteranopia

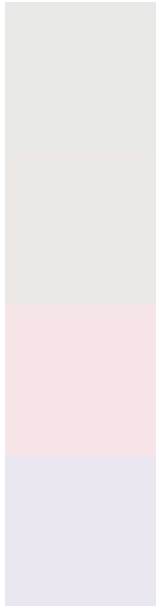
82.7307, 80.9366, 87.6059



## Tritanopia

79.5010, 81.0331, 100.2577

# Trichromacy



## Original Color

76.7006, 81.1468, 86.4833

## Protanomaly

77.2604, 81.0325, 85.6975

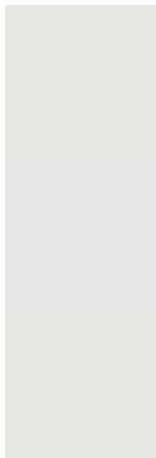
## Deuteranomaly

80.5250, 81.0305, 86.9976

## Tritanomaly

78.3848, 80.9951, 94.7214

# Monochromacy



## Original Color

76.7006, 81.1468, 86.4833

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

76.5591, 80.6386, 87.1310

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.7006, 81.1468, 86.4833 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(232, 233, 230) looks like.

```
.text, #text, p{  
    color:rgb(232, 233, 230)  
}
```

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(232, 233, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 233, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 76.7006, 81.1468, 86.4833 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(232, 233, 230) }
```

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

```
.border{ border-color:rgb(232, 233, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 233, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 233, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 233, 230);  
box-shadow:4px 4px 4px 4px rgb(232, 233,  
230) }
```



# Background

The CSS property to change the background color of an element to XYZ 76.7006, 81.1468, 86.4833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 233, 230) }
```

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

```
.background{ background-color: rgb(232,  
233, 230) }
```

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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