

# Converting Colors

XYZ(75.9133, 78.4371, 80.8390)

Have a look what the booklet for  
XYZ(75.9133, 78.4371, 80.8390)  
contains.

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# Color

**XYZ(76.0483, 78.4430,  
80.9449)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEE3DF
RGB	238, 227, 223
RGB Percent	93%, 89%, 87%
CMY	0.0667, 0.1098, 0.1255
CMYK	0.00, 0.05, 0.06, 0.07
HSL	16°, 31%, 90%
HSV	16°, 6%, 93%
XYZ	76.0483, 78.4430, 80.9449
YIQ	229.8330, 7.8400, 1.0880

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	238, 228, 223
Decimal	15655903
CIE Lab	90.98, 3.05, 3.27
CIE LCh	91, 4.476, 46.992
Yxy	78.4430, 0.3230, 0.3332
Android (android.graphics.Color)	4293845983 (0xFFEEE3DF)
YUV	229.8330, -3.3687, 7.1625
Hunter-Lab	88.5681, -1.7264, 7.8108

# Details

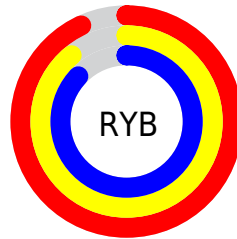
The XYZ color **76.0483, 78.4430, 80.9449** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75.2869, 80.7056, 92.4997**, and the grayscale version is **75.1122, 79.0239, 86.0571**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.1118, 42.2773, 43.0393** is the 20% darker color. If you saturate the color by 10%, you get **68.5303, 68.1858, 63.7048**, and if you desaturate by 10%, it is **84.5054, 89.8547, 100.7252**.

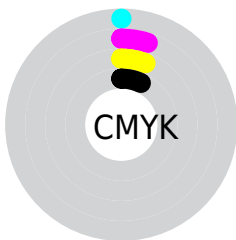
# Distribution



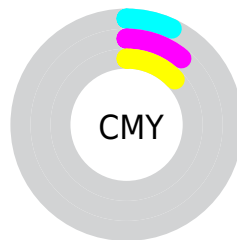
- Red (93%)
- Green (89%)
- Blue (87%)



- Red (93%)
- Yellow (89%)
- Blue (87%)



- Cyan (0%)
- Magenta (5%)
- Yellow (6%)
- Black (7%)



- Cyan (7%)
- Magenta (11%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.0483, 78.4430, 80.9449 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 76.0483, 78.4430, 80.9449 by changing the saturation by 10% instead.



76.0483, 78.4430,  
80.9449

76.0483, 78.4430,  
80.9449

470.4549,  
489.6700, 517.9020

56.7693, 58.4380,  
59.9655

126.7752,  
131.1744, 136.5168

41.0595, 42.1608,  
42.9657

158.9538,  
164.6696, 171.9463

28.5534, 29.2273,  
29.5270

196.1629,  
203.4303, 213.0296

18.8858, 19.2528,  
19.2308

238.7680,  
247.8409, 260.1853

11.6913, 11.8531,  
11.6587

287.1344,  
298.2857, 313.8318

6.6046, 6.6437,  
6.3920

341.6275,

3.2602, 3.2403,

355.1493, 374.3878

3.0123

402.6125,  
418.8159, 442.2717

■ 1.2928, 1.2584,  
1.1009

■ 0.1778, 0.1087,  
0.0000

■ 76.0483, 78.4430,  
80.9449

■ 76.0483, 78.4430,  
80.9449

■ 68.5303, 68.1858,  
63.7048

■ 84.5054, 89.8547,  
100.7252

■ 61.9118, 59.0366,  
48.8965

■ 89.0704, 96.9174,  
108.6202

■ 56.1600, 50.9608,  
36.4113

■ 51.2373, 43.9182,  
26.1301

■ 47.1036, 37.8660,  
17.9232

■ 43.7150, 32.7581,  
11.6473

■ 41.0230, 28.5448,  
7.1405

■ 38.9723, 25.1710,  
4.2141

■ 37.4976, 22.5747,  
2.6337

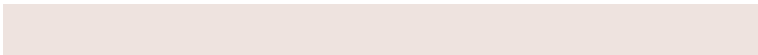
# Harmonies

## Analogous

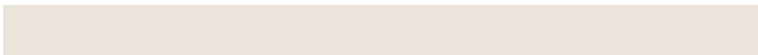
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.6532, 78.4430, 83.6071



76.0483, 78.4430, 80.9449



75.0474, 78.4430, 79.4955

# Triad

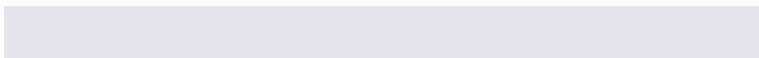
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.0483, 78.4430, 80.9449



72.4625, 78.4430, 84.0193



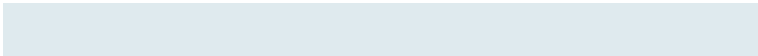
75.1939, 78.4430, 91.4959

# Complementary

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



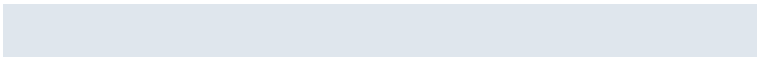
76.0483, 78.4430, 80.9449



75.2869, 80.7056, 92.4997

# 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.



74.0701, 78.4430, 91.6131



76.0483, 78.4430, 80.9449



72.5008, 78.4430, 87.2409

# Square

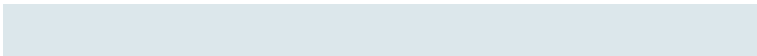
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.0483, 78.4430, 80.9449



72.9815, 78.4430, 81.2401



73.0867, 78.4430, 90.0386



76.1565, 78.4430, 89.7224



# Rectangle

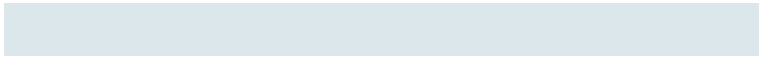
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.0483, 78.4430, 80.9449



74.2938, 78.4430, 79.3875



73.0867, 78.4430, 90.0386



74.8223, 78.4430, 91.7319

# Sweetspot

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



76.0505, 78.4464, 80.9466



93.0585, 97.3136, 104.2390



76.5000, 76.8942, 88.6531



19.9392, 20.8573, 22.3603



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

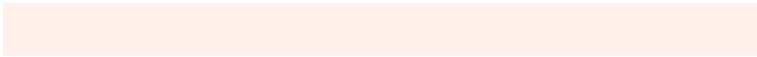


# Same Dimension

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



76.0505, 78.4464, 80.9466



87.3511, 89.5820, 90.9818



78.1457, 82.6368, 81.6450



16.1160, 16.4451, 16.4745



20.7702, 12.3384, 1.2868

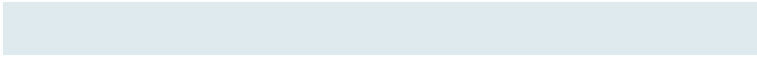


1.8070, 1.1846, 0.1334

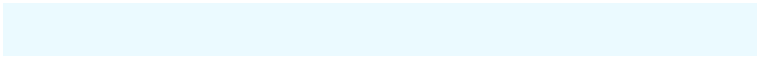


# Inverse Universe

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



75.2869, 80.7056, 92.4997



86.2264, 92.9089, 107.9963



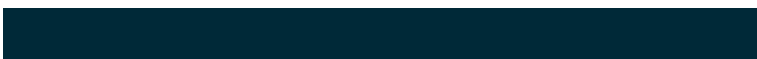
73.1977, 76.5273, 91.8033



15.8697, 17.1735, 20.2000



17.2169, 20.6580, 48.2078

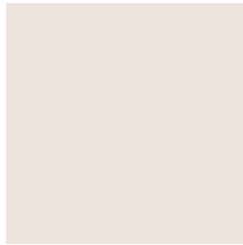


1.5135, 1.8810, 4.0375



# Previews

## White Background



This preview shows how the XYZ color 76.0483, 78.4430, 80.9449 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

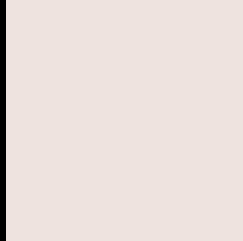
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.0483, 78.4430, 80.9449 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

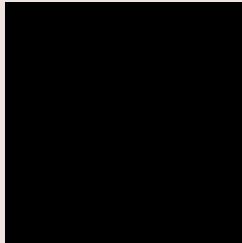
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

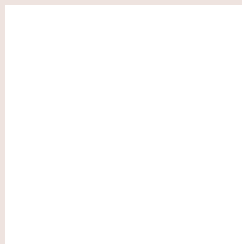
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 76.0483, 78.4430, 80.9449**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.0483, 78.4430, 80.9449.



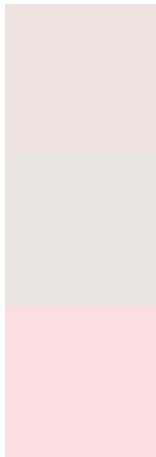
This preview shows how white text looks on a background with the XYZ color 76.0483, 78.4430,

80.9449.

# 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

76.0483, 78.4430, 80.9449

### Protanopia

75.1296, 78.3610, 81.6864

### Deuteranopia

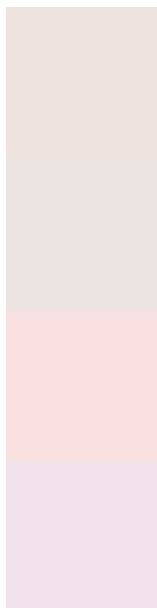
80.0838, 78.5070, 81.4535



## Tritanopia

78.9583, 78.4229, 94.9800

# Trichromacy



## Original Color

76.0483, 78.4430, 80.9449

## Protanomaly

75.4589, 78.5308, 81.7019

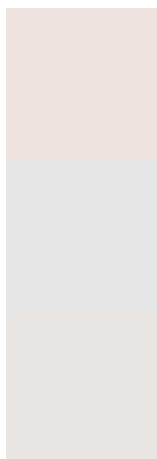
## Deuteranomaly

78.8216, 78.6496, 81.5476

## Tritanomaly

77.8558, 78.3739, 89.6215

# Monochromacy



## Original Color

76.0483, 78.4430, 80.9449

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

75.4887, 78.9083, 83.9252

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.0483, 78.4430, 80.9449 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(238, 227, 223) looks like.

```
.text, #text, p{  
    color:rgb(238, 227, 223)  
}
```

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(238, 227, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 227, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 76.0483, 78.4430, 80.9449 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(238, 227, 223) }
```



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

```
.border{ border-color:rgb(238, 227, 223) }
```

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

Here you see how a box with a 4 pixel rgb(238, 227, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 227, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 227, 223);  
box-shadow:4px 4px 4px 4px rgb(238, 227,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.0483, 78.4430, 80.9449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 227, 223) }
```

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

```
.background{ background-color: rgb(238,  
227, 223) }
```

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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