

# Converting Colors

XYZ(78.0160, 76.8865, 88.5706)

Have a look what the booklet for  
XYZ(78.0160, 76.8865, 88.5706)  
contains.

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# Color

**XYZ(78.0160, 76.8865,  
88.5706)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4DDEA
RGB	244, 221, 234
RGB Percent	96%, 87%, 92%
CMY	0.0431, 0.1333, 0.0823
CMYK	0.00, 0.09, 0.04, 0.04
HSL	326°, 51%, 91%
HSV	326°, 9%, 96%
XYZ	78.0160, 76.8865, 88.5706
YIQ	229.3590, 9.5350, 8.9190

# Conversions

## Conversions Part 2

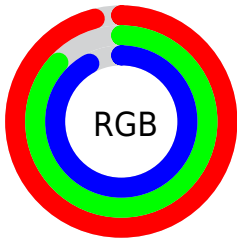
Format	Color
<a href="#">RYB</a>	<a href="#">244, 221, 234</a>
Decimal	<a href="#">16047594</a>
CIELab	<a href="#">90.27, 10.09, -3.48</a>
CIElCh	<a href="#">90, 10.674, 341.000</a>
Yxy	<a href="#">76.8865, 0.3204, 0.3158</a>
Android (android.graphics.Color)	<a href="#">4294237674</a> ( <a href="#">0xFFF4DDEA</a> )
YUV	<a href="#">229.3590, 2.2880, 12.8402</a>
Hunter-Lab	<a href="#">87.6849, 5.3683, 1.4906</a>

# Details

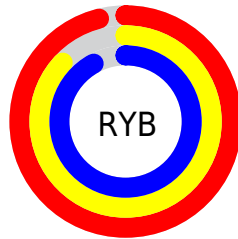
The XYZ color **78.0160, 76.8865, 88.5706** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **76.5963, 85.8452, 88.1382**, and the grayscale version is **74.7211, 78.6124, 85.6089**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.4111, 41.1782, 47.8324** is the 20% darker color. If you saturate the color by 10%, you get **70.5576, 64.3358, 78.7879**, and if you desaturate by 10%, it is **86.5063, 91.3529, 99.1496**.

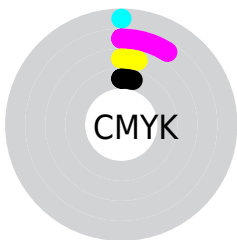
# Distribution



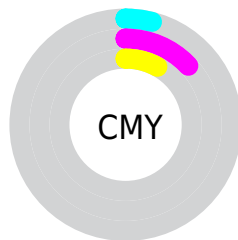
- Red (96%)
- Green (87%)
- Blue (92%)



- Red (96%)
- Yellow (87%)
- Blue (92%)



- Cyan (0%)
- Magenta (9%)
- Yellow (4%)
- Black (4%)



- Cyan (4%)
- Magenta (13%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.0160, 76.8865, 88.5706 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 78.0160, 76.8865, 88.5706 by changing the saturation by 10% instead.



 78.0160, 76.8865,  
88.5706

 78.0160, 76.8865,  
88.5706


477.0601,  
484.3770, 543.8197

 58.3900, 57.1597,  
66.2287

129.5379,  
128.9793, 147.2694

 42.3667, 41.1335,  
48.0004


162.1645,  
162.1140, 184.4634

 29.5809, 28.4234,  
33.4672


199.8553,  
200.4869, 227.4452

 19.6672, 18.6451,  
22.2106

242.9757,  
244.4823, 276.6333

 12.2602, 11.4141,  
13.8119

291.8910,  
294.4846, 332.4462

 6.9946, 6.3461,  
7.8527

346.9666,

 3.5050, 3.0566,

350.8782, 395.3026

3.9144

408.5679,  
414.0476, 465.6209

■ 1.4261, 1.1614,  
1.5785

■ 0.2747, 0.0298,  
0.2754

■ 78.0160, 76.8865,  
88.5706

■ 78.0160, 76.8865,  
88.5706

■ 70.5576, 64.3358,  
78.7879

■ 86.5063, 91.3529,  
99.1496

■ 64.0827, 53.6096,  
69.7747

■ 91.1188, 97.9734,  
108.7160

■ 58.5489, 44.6244,  
61.5098

■ 53.9077, 37.2862,  
53.9689

■ 50.1062, 31.4920,  
47.1258

■ 47.0858, 27.1271,  
40.9521

■ 44.7794, 24.0606,  
35.4165

■ 43.1079, 22.1372,  
30.4832

■ 41.9481, 21.1135,  
26.1014

# Harmonies

## Analogous

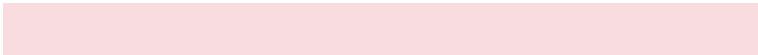
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.4815, 76.8865, 95.2512



78.0160, 76.8865, 88.5706



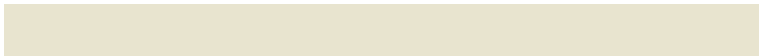
78.2088, 76.8865, 80.9554

# Triad

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



78.0160, 76.8865, 88.5706



72.1078, 76.8865, 70.1596



69.2901, 76.8865, 93.6869

# Complementary

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



78.0160, 76.8865, 88.5706



76.5963, 85.8452, 88.1382

# 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.



68.1772, 76.8865, 86.5393



78.0160, 76.8865, 88.5706



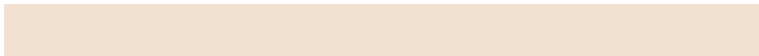
69.7776, 76.8865, 73.1525

# Square

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



78.0160, 76.8865, 88.5706



74.7542, 76.8865, 70.6302



68.3535, 76.8865, 79.0427



71.4277, 76.8865, 98.3265

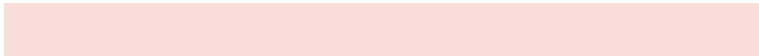


# Rectangle

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



78.0160, 76.8865, 88.5706



77.5454, 76.8865, 76.4045



68.3535, 76.8865, 79.0427



68.7861, 76.8865, 91.4804

# Sweetspot

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



78.0182, 76.8899, 88.5723



92.1268, 95.0034, 105.3061



75.1328, 75.2316, 96.1504



19.5555, 20.0559, 22.3372



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.



78.0182, 76.8899, 88.5723



84.8432, 82.6299, 96.1149



76.4239, 76.2521, 80.1766



16.8914, 16.6394, 19.1749



22.8463, 11.4819, 14.4308



2.0595, 1.0298, 1.5398



# Inverse Universe

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



78.0182, 76.8899, 88.5723



84.8432, 82.6299, 96.1149



78.2691, 86.5143, 96.9475



16.8914, 16.6394, 19.1749



22.8463, 11.4819, 14.4308

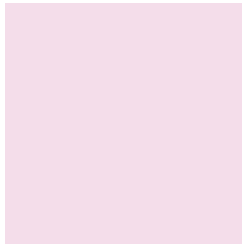


2.0595, 1.0298, 1.5398



# Previews

## White Background



This preview shows how the XYZ color 78.0160, 76.8865, 88.5706 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

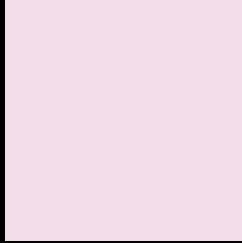
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.0160, 76.8865, 88.5706 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

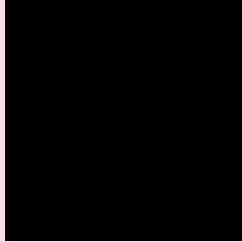
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 78.0160, 76.8865, 88.5706**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.0160, 76.8865, 88.5706.



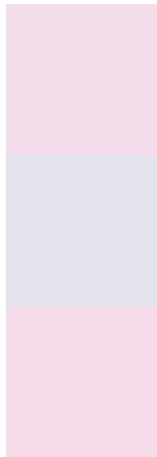
This preview shows how white text looks on a background with the XYZ color 78.0160, 76.8865,



# 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

78.0160, 76.8865, 88.5706

### Protanopia

74.4773, 77.0011, 91.0581

### Deuteranopia

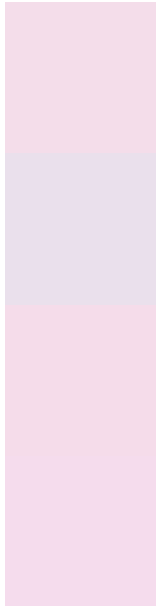
78.4505, 76.7197, 88.5155



## **Tritanopia**

78.6820, 76.7719, 91.5604

# Trichromacy



## Original Color

78.0160, 76.8865, 88.5706

## Protanomaly

75.7277, 76.8599, 90.2010

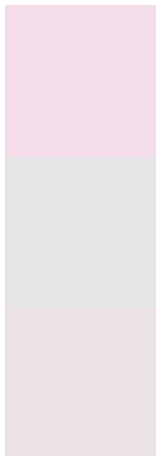
## Deuteranomaly

78.1007, 76.5394, 88.4991

## Tritanomaly

78.5354, 76.7133, 90.7886

# Monochromacy



## Original Color

78.0160, 76.8865, 88.5706

## Achromatopsia

74.4753, 78.3538, 85.3273

## Achromatomaly

75.5518, 77.6547, 86.6081

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.0160, 76.8865, 88.5706 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(244, 221, 234)` looks like.

```
.text, #text, p{  
    color:rgb(244, 221, 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(244, 221, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 221, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 78.0160, 76.8865, 88.5706 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(244, 221, 234) }
```



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

```
.border{ border-color:rgb(244, 221, 234) }
```

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

Here you see how a box with a 4 pixel rgb(244, 221, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 221, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 221, 234);  
box-shadow:4px 4px 4px 4px rgb(244, 221,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.0160, 76.8865, 88.5706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 221, 234) }
```

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

```
.background{ background-color: rgb(244,  
221, 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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