

# Converting Colors

XYZ(70.7840, 76.1811, 78.6759)

Have a look what the booklet for  
XYZ(70.7840, 76.1811, 78.6759)  
contains.

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# Color

**XYZ(70.7859, 76.1837,  
78.6843)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEE4DC
RGB	222, 228, 220
RGB Percent	87%, 89%, 86%
CMY	0.1294, 0.1059, 0.1372
CMYK	0.03, 0.00, 0.04, 0.11
HSL	105°, 13%, 88%
HSV	105°, 4%, 89%
XYZ	70.7859, 76.1837, 78.6843
YIQ	225.2940, -1.0080, -3.7600

# Conversions

## Conversions Part 2

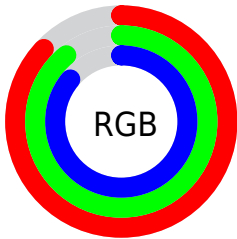
Format	Color
R <sub>Y</sub> B	220, 228, 226
Decimal	14607580
CIE Lab	89.94, -3.44, 3.19
CIE LCh	90, 4.690, 137.190
Yxy	76.1837, 0.3137, 0.3376
Android (android.graphics.Color)	4292797660 (0xFFDEE4DC)
YUV	225.2940, -2.6099, -2.8888
Hunter-Lab	87.2833, -7.9839, 7.6494

# Details

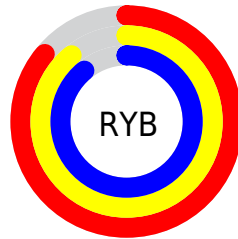
The XYZ color **70.7859, 76.1837, 78.6843** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.9637, 72.9587, 83.7449**, and the grayscale version is **71.8001, 75.5392, 82.2622**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.6715, 40.8192, 41.4907** is the 20% darker color. If you saturate the color by 10%, you get **62.9947, 72.4948, 63.6170**, and if you desaturate by 10%, it is **79.5247, 80.3179, 95.9490**.

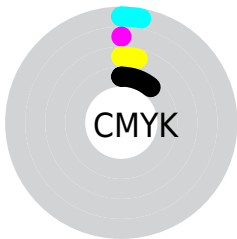
# Distribution



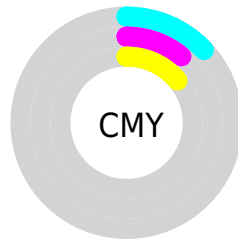
- Red (87%)
- Green (89%)
- Blue (86%)



- Red (86%)
- Yellow (89%)
- Blue (89%)



- Cyan (3%)
- Magenta (0%)
- Yellow (4%)
- Black (11%)



- Cyan (13%)
- Magenta (11%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.7859, 76.1837, 78.6843 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 70.7859, 76.1837, 78.6843 by changing the saturation by 10% instead.



■ 70.7859, 76.1837,  
78.6843

■ 70.7859, 76.1837,  
78.6843

452.5281,  
481.9763, 510.0771

■ 52.4494, 56.5832,  
58.1165

119.3490,  
127.9865, 133.3090

■ 37.5891, 40.6707,  
41.4870

150.3063,  
160.9576, 168.2029

■ 25.8397, 28.0618,  
28.3772

186.2012,  
199.1544, 208.7093

■ 16.8358, 18.3723,  
18.3687

227.3992,  
242.9611, 255.2467

■ 10.2121, 11.2176,  
11.0429

274.2655,  
292.7623, 308.2336

■ 5.6031, 6.2134,  
5.9811

327.1655,

■ 2.6437, 2.9753,

348.9423, 368.0886

2.7650

386.4646,  
411.8855, 435.2303

■ 0.9683, 1.1188,  
0.9759

■ 0.0000, 0.0000,  
0.0000

■ 70.7859, 76.1837,  
78.6843

■ 70.7859, 76.1837,  
78.6843

■ 62.9947, 72.4948,  
63.6170

■ 79.5247, 80.3179,  
95.9490

■ 56.1124, 69.2267,  
50.6541

■ 87.0349, 83.9697,  
106.2283

■ 50.1070, 66.3669,  
39.7035

■ 44.9421, 63.8990,  
30.6641

■ 40.5785, 61.8052,  
23.4263

■ 36.9740, 60.0663,  
17.8691

■ 34.0820, 58.6612,  
13.8568

■ 31.8504, 57.5665,  
11.2326

■ 30.2184, 56.7551,  
9.8065

# Harmonies

## Analogous

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



71.7529, 76.1837, 76.9955



70.7859, 76.1837, 78.6843



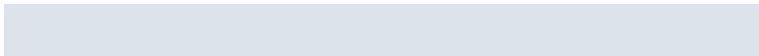
70.2565, 76.1837, 81.5425

# Triad

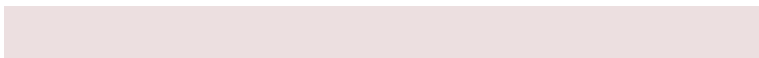
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.7859, 76.1837, 78.6843



71.9168, 76.1837, 89.3389



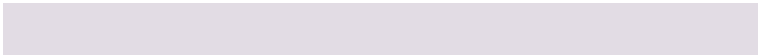
74.5627, 76.1837, 81.0770

# Complementary

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



70.7859, 76.1837, 78.6843



70.9637, 72.9587, 83.7449

# 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.



74.6077, 76.1837, 84.3758



70.7859, 76.1837, 78.6843



73.0717, 76.1837, 89.2062

# Square

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



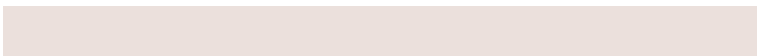
70.7859, 76.1837, 78.6843



70.9047, 76.1837, 87.7274



74.0594, 76.1837, 87.3694



73.9371, 76.1837, 78.3514



# Rectangle

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



70.7859, 76.1837, 78.6843



70.2193, 76.1837, 83.7534



74.0594, 76.1837, 87.3694



74.6465, 76.1837, 82.1539

# Sweetspot

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



70.7880, 76.1870, 78.6860



93.9419, 99.4759, 106.7193



72.1127, 76.0574, 78.5911



20.1191, 21.2975, 22.8653



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.



70.7880, 76.1870, 78.6860



90.6917, 97.9380, 100.3502



70.4458, 75.9797, 80.0617



15.3493, 16.6526, 16.8768



17.0848, 32.5890, 5.3898



1.3460, 2.4513, 0.4022



# Inverse Universe

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



70.9637, 72.9587, 83.7449



90.9505, 93.1837, 107.8004



71.3183, 73.1734, 82.3197



15.4009, 15.7037, 18.3637



17.9016, 8.2945, 43.0407

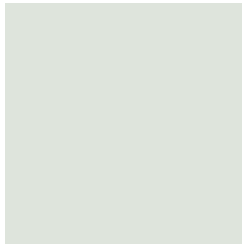


1.4064, 0.6560, 3.1845



# Previews

## White Background



This preview shows how the XYZ color 70.7859, 76.1837, 78.6843 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

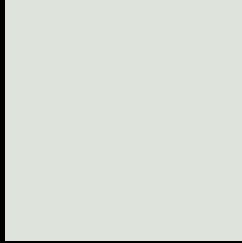
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.7859, 76.1837, 78.6843 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

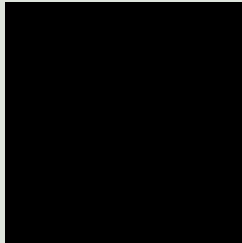
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

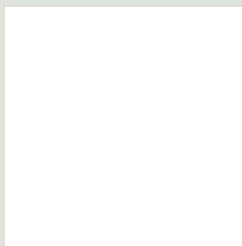
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 70.7859, 76.1837, 78.6843**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.7859, 76.1837, 78.6843.



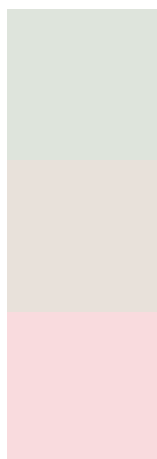
This preview shows how white text looks on a background with the XYZ color 70.7859, 76.1837,



# 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

70.7859, 76.1837, 78.6843

### Protanopia

72.8588, 76.0682, 77.1722

### Deuteranopia

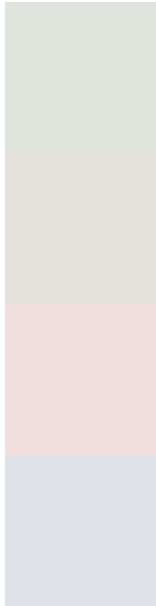
77.5833, 76.0767, 79.7024



## Tritanopia

74.0036, 76.2688, 94.8253

# Trichromacy



## Original Color

70.7859, 76.1837, 78.6843

## Protanomaly

71.9774, 76.0012, 77.8939

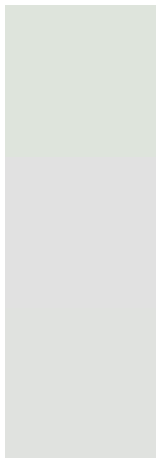
## Deuteranomaly

74.7690, 75.8137, 79.0994

## Tritanomaly

72.7881, 76.1805, 88.7099

# Monochromacy



## Original Color

70.7859, 76.1837, 78.6843

## Achromatopsia

71.5672, 75.2942, 81.9954

## Achromatomaly

71.2561, 75.5677, 80.6425

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.7859, 76.1837, 78.6843 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(222, 228, 220) looks like.

```
.text, #text, p{  
    color:rgb(222, 228, 220)  
}
```

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(222, 228, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 228, 220) }
```

## Border

The CSS property to change the border of an element to XYZ 70.7859, 76.1837, 78.6843 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(222, 228, 220) }
```



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

```
.border{ border-color:rgb(222, 228, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 228, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 228, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 228, 220);  
box-shadow:4px 4px 4px 4px rgb(222, 228,  
220) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.7859, 76.1837, 78.6843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 228, 220) }
```

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

```
.background{ background-color: rgb(222,  
228, 220) }
```

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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