

# Converting Colors

XYZ(74.8174, 80.1958, 83.7168)

Have a look what the booklet for  
XYZ(74.8174, 80.1958, 83.7168)  
contains.

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# Color

**XYZ(74.8613, 80.2628,  
83.4982)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4E9E2
RGB	228, 233, 226
RGB Percent	89%, 91%, 89%
CMY	0.1059, 0.0863, 0.1137
CMYK	0.02, 0.00, 0.03, 0.09
HSL	103°, 14%, 90%
HSV	103°, 3%, 91%
XYZ	74.8613, 80.2628, 83.4982
YIQ	230.7070, -0.7330, -3.2370

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	226, 233, 231
Decimal	15002082
CIE Lab	91.80, -2.91, 2.80
CIE LCh	92, 4.043, 136.110
Yxy	80.2628, 0.3137, 0.3364
Android (android.graphics.Color)	4293192162 (0xFFE4E9E2)
YUV	230.7070, -2.3206, -2.3740
Hunter-Lab	89.5895, -7.6264, 7.4539

# Details

The XYZ color **74.8613, 80.2628, 83.4982** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **74.8625, 77.2670, 88.0633**, and the grayscale version is **75.7569, 79.7021, 86.7956**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.3064, 43.2688, 44.7554** is the 20% darker color. If you saturate the color by 10%, you get **66.8498, 76.4797, 67.5521**, and if you desaturate by 10%, it is **83.8205, 84.4888, 101.7601**.

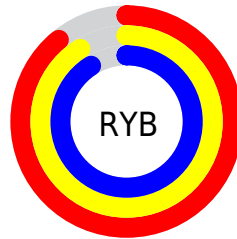
# Distribution



Red (89%)

Green (91%)

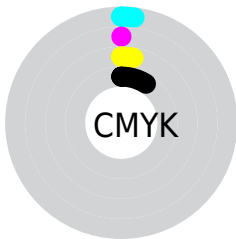
Blue (89%)



Red (89%)

Yellow (91%)

Blue (91%)

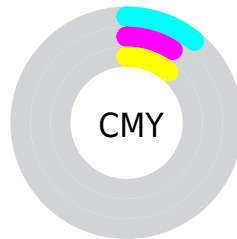


Cyan (2%)

Magenta (0%)

Yellow (3%)

Black (9%)



Cyan (11%)

Magenta (9%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.8613, 80.2628, 83.4982 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 74.8613, 80.2628, 83.4982 by changing the saturation by 10% instead.



■ 74.8613, 80.2628,  
83.4982

■ 74.8613, 80.2628,  
83.4982

466.4452,  
495.8180, 526.6598

■ 55.7930, 59.9346,  
62.0582

125.1050,  
133.7352, 140.1285

■ 40.2734, 43.3659,  
44.6437

157.0111,  
167.6481, 176.1559

■ 27.9369, 30.1724,  
30.8359

193.9272,  
206.8582, 217.8828

■ 18.4183, 19.9694,  
20.2165

236.2187,  
251.7497, 265.7279

■ 11.3522, 12.3728,  
12.3669

284.2509,  
302.7070, 320.1096

■ 6.3733, 6.9981,  
6.8685

338.3891,

■ 3.1162, 3.4609,

360.1146, 381.4464

3.3028

398.9988,  
424.3568, 450.1570

■ 1.2155, 1.3768,  
1.2513

■ 0.1186, 0.1996,  
0.0213

■ 74.8613, 80.2628,  
83.4982

■ 74.8613, 80.2628,  
83.4982

■ 66.8498, 76.4797,  
67.5521

■ 83.8205, 84.4888,  
101.7601

■ 59.7475, 73.1148,  
53.8241

■ 88.4305, 86.7609,  
106.6935

■ 53.5232, 70.1565,  
42.2175

■ 48.1411, 67.5887,  
32.6264

■ 43.5631, 65.3941,  
24.9355

■ 39.7476, 63.5542,  
19.0183

■ 36.6494, 62.0486,  
14.7326

■ 34.2173, 60.8547,  
11.9145

■ 32.3922, 59.9462,  
10.3655

# Harmonies

## Analogous

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



75.7362, 80.2628, 82.0273



74.8613, 80.2628, 83.4982



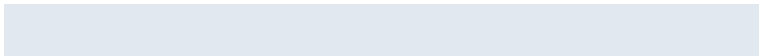
74.3706, 80.2628, 86.0307

# Triad

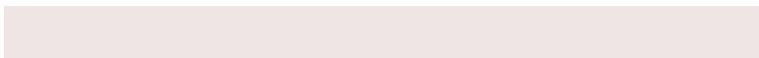
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.8613, 80.2628, 83.4982



75.8104, 80.2628, 93.0464



78.2165, 80.2628, 85.8196

# Complementary

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



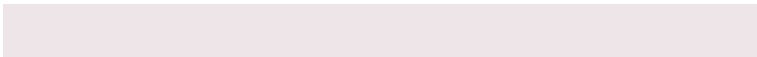
74.8613, 80.2628, 83.4982



74.8625, 77.2670, 88.0633

# 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.



78.2368, 80.2628, 88.7687



74.8613, 80.2628, 83.4982



76.8413, 80.2628, 92.9868

# Square

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



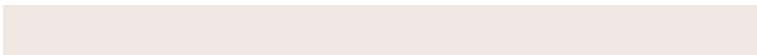
74.8613, 80.2628, 83.4982



74.9152, 80.2628, 91.5672



77.7315, 80.2628, 91.4061



77.6762, 80.2628, 83.3467



# Rectangle

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



74.8613, 80.2628, 83.4982



74.3245, 80.2628, 88.0010



77.7315, 80.2628, 91.4061



78.2845, 80.2628, 86.7869

# Sweetspot

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



74.8636, 80.2663, 83.4999



93.9750, 99.4929, 106.7208



75.8829, 79.9140, 83.3782



20.1259, 21.3009, 22.8656



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

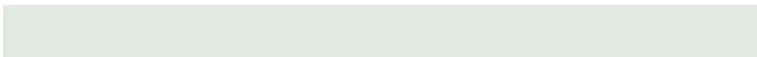
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.8636, 80.2663, 83.4999



90.8204, 98.0043, 100.3562



74.4258, 80.0183, 84.4871



16.1137, 17.4679, 17.6872



17.9345, 33.7901, 5.5769



1.5001, 2.7006, 0.4422



# Inverse Universe

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



74.8625, 77.2670, 88.0633



90.8186, 93.1157, 107.7942



75.3123, 77.5220, 87.0438



16.1133, 16.4429, 19.2468



17.4531, 8.0333, 44.3737

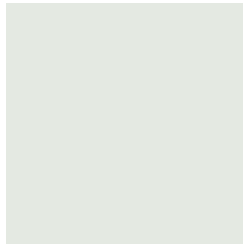


1.4643, 0.6792, 3.4888



# Previews

## White Background



This preview shows how the XYZ color 74.8613, 80.2628, 83.4982 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

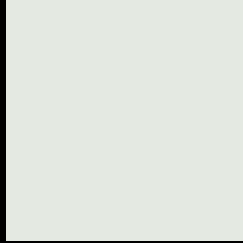
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.8613, 80.2628, 83.4982 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

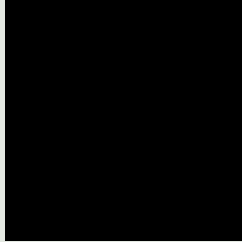
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

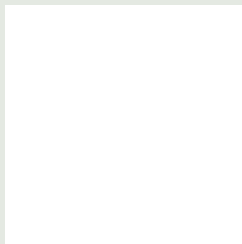
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 74.8613, 80.2628, 83.4982**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.8613, 80.2628, 83.4982.



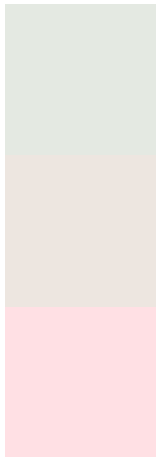
This preview shows how white text looks on a background with the XYZ color 74.8613, 80.2628,

83.4982.

# 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

74.8613, 80.2628, 83.4982

### Protanopia

76.6764, 79.9800, 81.9174

### Deuteranopia

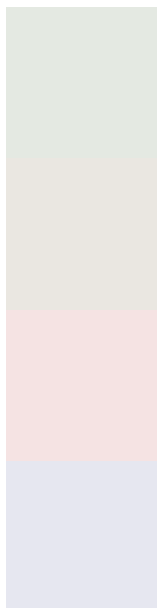
81.8992, 80.1727, 84.5571



## Tritanopia

78.1951, 80.3599, 100.1966

# Trichromacy



## Original Color

74.8613, 80.2628, 83.4982

## Protanomaly

76.0982, 80.0805, 82.6804

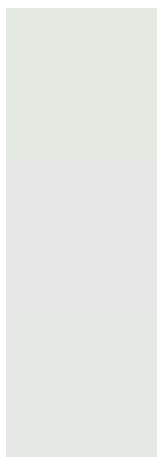
## Deuteranomaly

78.9904, 79.8967, 83.9314

## Tritanomaly

76.9372, 80.2661, 93.8760

# Monochromacy



## Original Color

74.8613, 80.2628, 83.4982

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

75.6326, 80.1934, 85.6213

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.8613, 80.2628, 83.4982 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(228, 233, 226) looks like.

```
.text, #text, p{  
    color:rgb(228, 233, 226)  
}
```

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(228, 233, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 233, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 74.8613, 80.2628, 83.4982 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(228, 233, 226) }
```



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

```
.border{ border-color:rgb(228, 233, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 233, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 233, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 233, 226);  
box-shadow:4px 4px 4px 4px rgb(228, 233,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.8613, 80.2628, 83.4982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 233, 226) }
```

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

```
.background{ background-color: rgb(228,  
233, 226) }
```

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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