

# Converting Colors

XYZ(76.0094, 80.7044, 89.5140)

Have a look what the booklet for  
XYZ(76.0094, 80.7044, 89.5140)  
contains.

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# Color

**XYZ(75.9851, 80.7123,  
89.4161)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4E9EA
RGB	228, 233, 234
RGB Percent	89%, 91%, 92%
CMY	0.1059, 0.0863, 0.0823
CMYK	0.03, 0.00, 0.00, 0.08
HSL	190°, 13%, 91%
HSV	190°, 3%, 92%
XYZ	75.9851, 80.7123, 89.4161
YIQ	231.6190, -3.3010, -0.7490

# Conversions

## Conversions Part 2

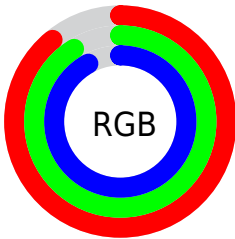
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	228, 231, 234
Decimal	15002090
CIE Lab	92.00, -1.48, -1.08
CIE LCh	92, 1.831, 216.045
Yxy	80.7123, 0.3087, 0.3279
Android (android.graphics.Color)	4293192170 (0xFFE4E9EA)
YUV	231.6190, 1.1738, -3.1739
Hunter-Lab	89.8400, -6.2479, 3.8778

# Details

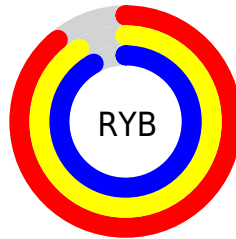
The XYZ color **75.9851, 80.7123, 89.4161** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.9548, 79.1317, 84.6707**, and the grayscale version is **76.4122, 80.3916, 87.5465**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.9916, 43.5429, 48.3636** is the 20% darker color. If you saturate the color by 10%, you get **67.9711, 74.9682, 88.7310**, and if you desaturate by 10%, it is **85.0327, 87.0297, 90.1598**.

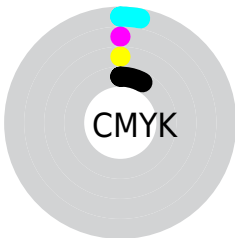
# Distribution



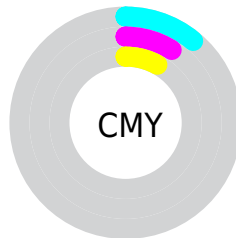
- Red (89%)
- Green (91%)
- Blue (92%)



- Red (89%)
- Yellow (91%)
- Blue (92%)



- Cyan (3%)
- Magenta (0%)
- Yellow (0%)
- Black (8%)



- Cyan (11%)
- Magenta (9%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.9851, 80.7123, 89.4161 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 75.9851, 80.7123, 89.4161 by changing the saturation by 10% instead.



■ 75.9851, 80.7123,  
89.4161

■ 75.9851, 80.7123,  
89.4161

470.2419,  
497.3301, 546.6506

■ 56.7173, 60.3047,  
66.9255

126.6863,  
134.3667, 148.4555

■ 41.0176, 43.6643,  
48.5629

158.8504,  
168.3823, 185.8413

■ 28.5205, 30.4067,  
33.9097

196.0441,  
207.7027, 229.0293

■ 18.8609, 20.1475,  
22.5474

238.6325,  
252.7122, 278.4380

■ 11.6732, 12.5023,  
14.0575

286.9812,  
303.7954, 334.4860

■ 6.5922, 7.0867,  
8.0215

341.4554,

■ 3.2524, 3.5164,

361.3365, 397.5917

4.0207

402.4205,  
425.7199, 468.1737

■ 1.2886, 1.4069,  
1.6367

■ 0.1747, 0.2218,  
0.3168

■ 75.9851, 80.7123,  
89.4161

■ 75.9851, 80.7123,  
89.4161

■ 67.9711, 74.9682,  
88.7310

■ 85.0327, 87.0297,  
90.1598

■ 60.9435, 69.7661,  
88.0973

■ 87.4806, 89.9787,  
90.6000

■ 54.8618, 65.0872,  
87.5147

■ 88.6416, 92.3008,  
90.9870

■ 49.6797, 60.9072,  
86.9810

■ 89.8273, 94.6721,  
91.3823

■ 45.3472, 57.2003,  
86.4938

■ 91.0378, 97.0931,  
91.7858

■ 41.8093, 53.9378,  
86.0506

■ 91.8515, 98.7206,  
92.0570

■ 39.0040, 51.0876,  
85.6483

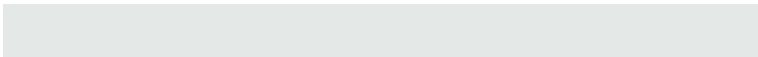
■ 36.8604, 48.6127,  
85.2836

■ 35.2925, 46.4687,  
84.9524

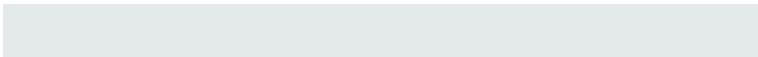
# Harmonies

## Analogous

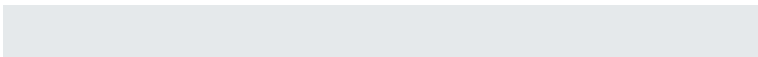
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.8180, 80.7123, 88.1552



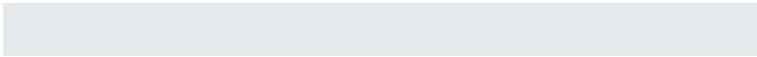
75.9851, 80.7123, 89.4161



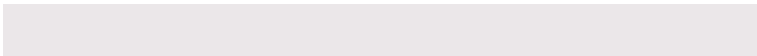
76.3477, 80.7123, 90.2722

# Triad

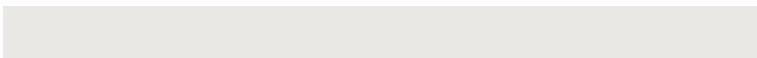
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.9851, 80.7123, 89.4161



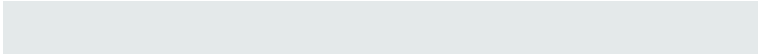
77.5448, 80.7123, 88.9387



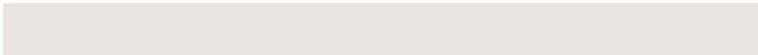
76.6193, 80.7123, 85.3293

# Complementary

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



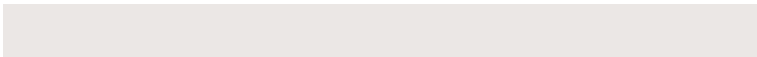
75.9851, 80.7123, 89.4161



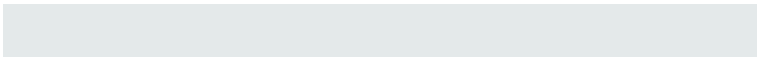
75.9548, 79.1317, 84.6707

# Split Complementary

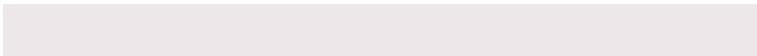
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.0827, 80.7123, 85.5343



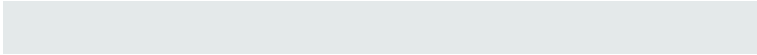
75.9851, 80.7123, 89.4161



77.6182, 80.7123, 87.6093

# Square

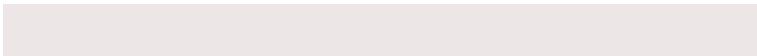
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



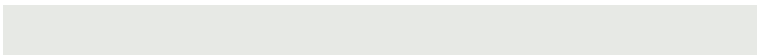
75.9851, 80.7123, 89.4161



77.2484, 80.7123, 89.9946



77.4488, 80.7123, 86.3655



76.1833, 80.7123, 85.8026

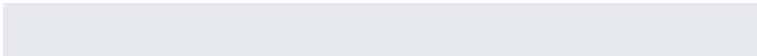


# Rectangle

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



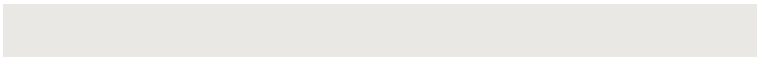
75.9851, 80.7123, 89.4161



76.6522, 80.7123, 90.4934



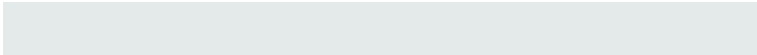
77.4488, 80.7123, 86.3655



76.7771, 80.7123, 85.3212

# Sweetspot

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



75.9874, 80.7157, 89.4179



93.9831, 99.2497, 108.8114



75.5478, 80.9925, 85.7081



20.1275, 21.2514, 23.2911



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

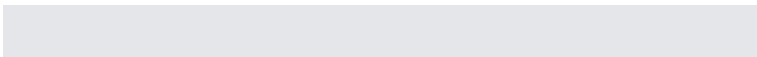
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.9874, 80.7157, 89.4179



91.8874, 97.7701, 108.6363



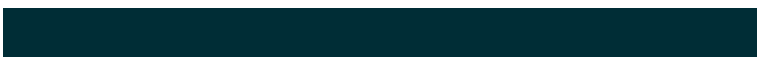
75.1721, 79.0851, 89.1461



16.2939, 17.3874, 19.4196



19.4104, 25.4678, 47.6357



1.5807, 2.1130, 3.7594



# Inverse Universe

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



76.3848, 78.8639, 88.2912



92.4540, 95.1343, 107.0291



76.7650, 80.7521, 84.9408



16.4208, 16.7988, 19.0593



24.6528, 12.0638, 30.3025

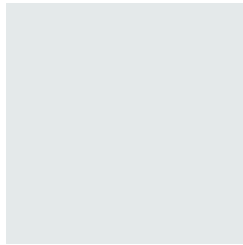


1.9644, 0.9587, 2.5298



# Previews

## White Background



This preview shows how the XYZ color 75.9851, 80.7123, 89.4161 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

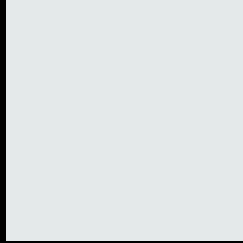
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.9851, 80.7123, 89.4161 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

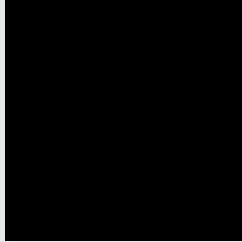
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

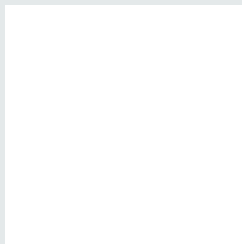
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 75.9851, 80.7123, 89.4161

## Background



This preview shows how black text looks on a background with the XYZ color 75.9851, 80.7123, 89.4161.



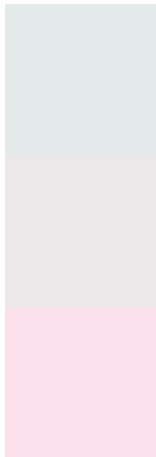
This preview shows how white text looks on a background with the XYZ color 75.9851, 80.7123,

89.4161.

# 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

75.9851, 80.7123, 89.4161

### Protanopia

77.8760, 80.8679, 88.5954

### Deuteranopia

82.2104, 80.6020, 90.5817



## Tritanopia

78.3079, 80.8144, 101.0940

# Trichromacy



## Original Color

75.9851, 80.7123, 89.4161

## Protanomaly

77.1689, 80.9201, 88.6427

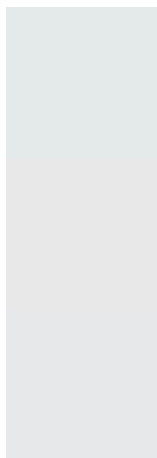
## Deuteranomaly

79.7009, 80.5397, 89.9423

## Tritanomaly

77.4988, 80.9029, 97.1191

# Monochromacy



## Original Color

75.9851, 80.7123, 89.4161

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

76.5196, 80.5853, 88.6123

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.9851, 80.7123, 89.4161 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, 234) looks like.

```
.text, #text, p{  
    color:rgb(228, 233, 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(228, 233, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 233, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 75.9851, 80.7123, 89.4161 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, 234) }
```



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

```
.border{ border-color:rgb(228, 233, 234) }
```

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, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 233, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 233, 234);  
box-shadow:4px 4px 4px 4px rgb(228, 233,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.9851, 80.7123, 89.4161 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, 234) }
```

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

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