

# Converting Colors

XYZ(76.6268, 82.2305, 93.4948)

Have a look what the booklet for  
XYZ(76.6268, 82.2305, 93.4948)  
contains.

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# Color

**XYZ(76.6268, 82.2305,  
93.4948)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1ECEF
RGB	225, 236, 239
RGB Percent	88%, 93%, 94%
CMY	0.1176, 0.0745, 0.0627
CMYK	0.06, 0.01, 0.00, 0.06
HSL	193°, 30%, 91%
HSV	193°, 6%, 94%
XYZ	76.6268, 82.2305, 93.4948
YIQ	233.0530, -7.5190, -1.3990

# Conversions

## Conversions Part 2

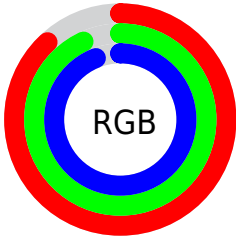
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	225, 231, 239
Decimal	14806255
CIE Lab	92.68, -3.08, -2.72
CIE LCh	93, 4.110, 221.488
Yxy	82.2305, 0.3037, 0.3259
Android (android.graphics.Color)	4292996335 (0xFFE1ECEF)
YUV	233.0530, 2.9319, -7.0625
Hunter-Lab	90.6810, -7.8567, 2.3470

# Details

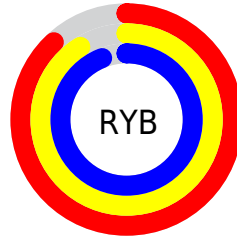
The XYZ color **76.6268, 82.2305, 93.4948** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **76.9309, 79.2731, 82.4820**, and the grayscale version is **77.4767, 81.5115, 88.7661**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.4461, 44.6075, 51.2254** is the 20% darker color. If you saturate the color by 10%, you get **68.2402, 75.7542, 92.6880**, and if you desaturate by 10%, it is **86.1032, 89.3358, 94.3681**.

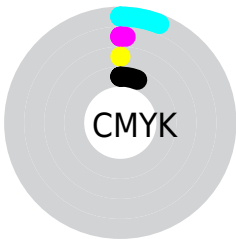
# Distribution



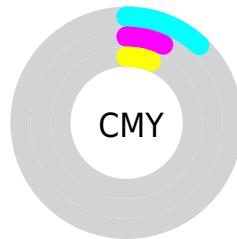
- Red (88%)
- Green (93%)
- Blue (94%)



- Red (88%)
- Yellow (91%)
- Blue (94%)



- Cyan (6%)
- Magenta (1%)
- Yellow (0%)
- Black (6%)



- Cyan (12%)
- Magenta (7%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.6268, 82.2305, 93.4948 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 76.6268, 82.2305, 93.4948 by changing the saturation by 10% instead.



■ 76.6268, 82.2305,  
93.4948

■ 76.6268, 82.2305,  
93.4948

472.4021,  
502.4184, 560.1957

■ 57.2455, 61.5555,  
70.2929

127.5882,  
136.4972, 154.1611

■ 41.4433, 44.6737,  
51.2871

159.8990,  
170.8577, 192.4626

■ 28.8548, 31.2005,  
36.0588

197.2503,  
210.5489, 236.6343

■ 19.1147, 20.7515,  
24.1896

240.0074,  
255.9551, 287.0948

■ 11.8577, 12.9425,  
15.2608

288.5359,  
307.4608, 344.2627

■ 6.7184, 7.3890,  
8.8540

343.2009,

■ 3.3314, 3.7065,

365.4503, 408.5564

4.5505

404.3678,  
430.3080, 480.3946

■ 1.3313, 1.5108,  
1.9320

■ 0.2065, 0.2963,  
0.5130

■ 76.6268, 82.2305,  
93.4948

■ 76.6268, 82.2305,  
93.4948

■ 68.2402, 75.7542,  
92.6880

■ 86.1032, 89.3358,  
94.3681

■ 60.8929, 69.8735,  
91.9402

■ 89.8477, 93.5470,  
94.9836

■ 54.5409, 64.5675,  
91.2508

■ 91.4270, 96.7057,  
95.5100

■ 49.1341, 59.8098,  
90.6175

■ 92.5802, 99.0121,  
95.8944

■ 44.6179, 55.5717,  
90.0375

■ 40.9321, 51.8217,  
89.5079

■ 38.0085, 48.5240,  
89.0255

■ 35.7675, 45.6372,  
88.5864

■ 34.1111, 43.1099,  
88.1859

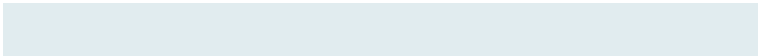
# Harmonies

## Analogous

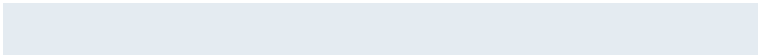
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.1591, 82.2305, 90.7135



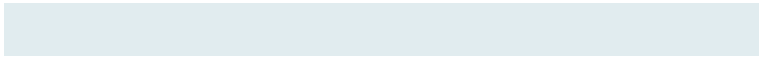
76.6268, 82.2305, 93.4948



77.5063, 82.2305, 95.2385

# Triad

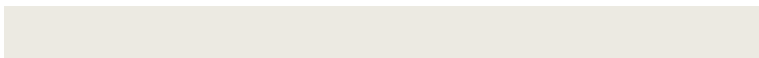
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.6268, 82.2305, 93.4948



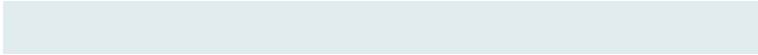
80.1245, 82.2305, 91.4186



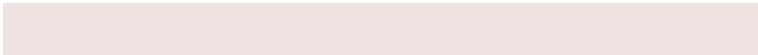
77.7486, 82.2305, 83.8850

# Complementary

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



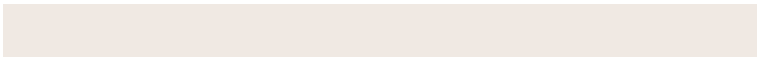
76.6268, 82.2305, 93.4948



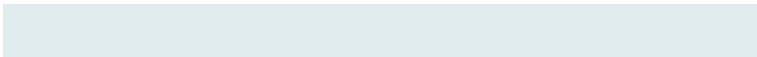
76.9309, 79.2731, 82.4820

# Split Complementary

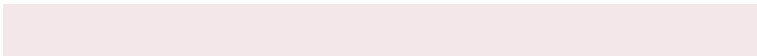
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.8126, 82.2305, 84.0640



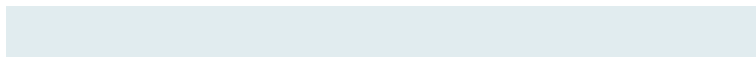
76.6268, 82.2305, 93.4948



80.1909, 82.2305, 88.3668

# Square

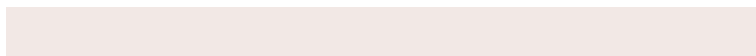
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.6268, 82.2305, 93.4948



79.5283, 82.2305, 94.0210



79.7087, 82.2305, 85.6887



76.8028, 82.2305, 85.1940

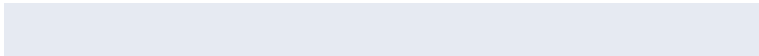


# Rectangle

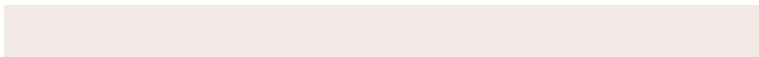
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



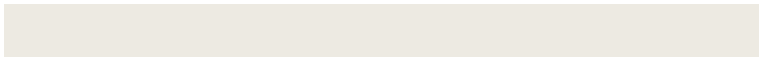
76.6268, 82.2305, 93.4948



78.2111, 82.2305, 95.5544



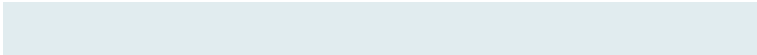
79.7087, 82.2305, 85.6887



78.1042, 82.2305, 83.7739

# Sweetspot

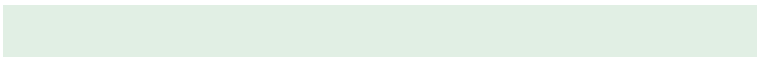
The Sweet Spot groups the original color and five complimentary colors.



76.6292, 82.2340, 93.4966



92.8513, 98.3511, 108.6976



75.8950, 83.3323, 85.3392



19.8971, 21.0685, 23.2679



0.0000, 0.0000, 0.0000

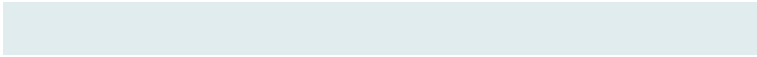


20.3446, 21.4041, 23.3091

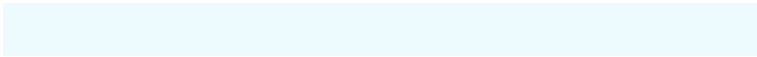


# Same Dimension

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



76.6292, 82.2340, 93.4966



87.5785, 94.3571, 108.2046



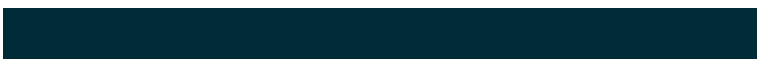
74.7073, 78.3903, 92.8560



16.2988, 17.5936, 20.2585



18.6296, 23.4834, 48.6787



1.6204, 2.0949, 4.0732



# Inverse Universe

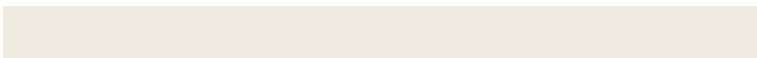
The Inverse Universe completely reimagines the original color for something new.



77.6640, 78.2589, 90.3732



89.0086, 88.8917, 103.8820



78.8396, 83.0905, 83.1182



16.5872, 16.4940, 19.3861



24.7290, 12.1640, 27.5531

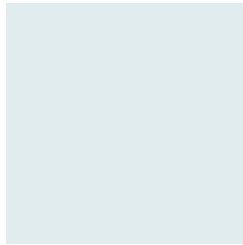


2.0929, 1.0262, 2.4799



# Previews

## White Background



This preview shows how the XYZ color 76.6268, 82.2305, 93.4948 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

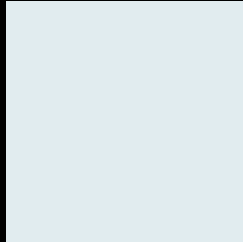
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.6268, 82.2305, 93.4948 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

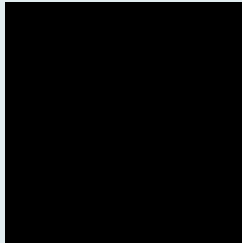
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

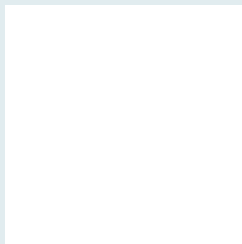
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 76.6268, 82.2305, 93.4948**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.6268, 82.2305, 93.4948.



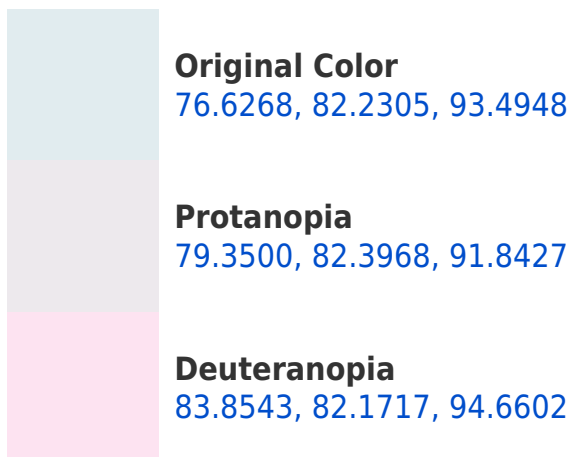
This preview shows how white text looks on a background with the XYZ color 76.6268, 82.2305,

93.4948.

# 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

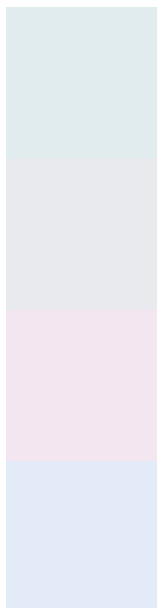




## **Tritanopia**

78.6721, 82.2048, 103.8161

# Trichromacy



## Original Color

76.6268, 82.2305, 93.4948

## Protanomaly

78.4597, 82.3423, 92.6473

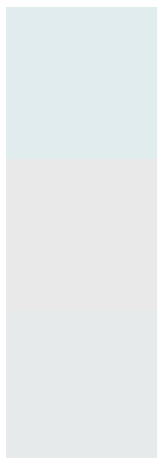
## Deuteranomaly

80.9871, 81.9396, 93.9855

## Tritanomaly

77.8609, 82.3008, 99.7776

# Monochromacy



## Original Color

76.6268, 82.2305, 93.4948

## Achromatopsia

77.4512, 81.4847, 88.7368

## Achromatomaly

77.0513, 81.6668, 90.2995

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.6268, 82.2305, 93.4948 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(225, 236, 239) looks like.

```
.text, #text, p{  
    color:rgb(225, 236, 239)  
}
```

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(225, 236, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 236, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 76.6268, 82.2305, 93.4948 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(225, 236, 239) }
```



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

```
.border{ border-color:rgb(225, 236, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 236, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 236, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 236, 239);  
box-shadow:4px 4px 4px 4px rgb(225, 236,  
239) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.6268, 82.2305, 93.4948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 236, 239) }
```

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

```
.background{ background-color: rgb(225,  
236, 239) }
```

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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