

# Converting Colors

XYZ(78.8889, 84.7130, 93.8927)

Have a look what the booklet for  
XYZ(78.8889, 84.7130, 93.8927)  
contains.

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# Color

**XYZ(78.7596, 84.6230,  
93.8442)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E5EFEF
RGB	229, 239, 239
RGB Percent	90%, 94%, 94%
CMY	0.1020, 0.0627, 0.0627
CMYK	0.04, 0.00, 0.00, 0.06
HSL	180°, 24%, 92%
HSV	180°, 4%, 94%
XYZ	78.7596, 84.6230, 93.8442
YIQ	236.0100, -5.9600, -2.1200

# Conversions

## Conversions Part 2

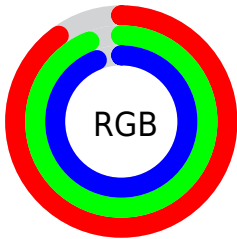
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	229, 234, 239
Decimal	15069167
CIE Lab	93.72, -3.30, -1.16
CIE LCh	94, 3.498, 199.354
Yxy	84.6230, 0.3062, 0.3290
Android (android.graphics.Color)	4293259247 (0xFFE5EFEF)
YUV	236.0100, 1.4741, -6.1478
Hunter-Lab	91.9908, -8.1577, 3.9090

# Details

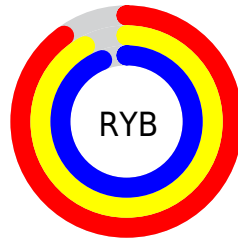
The XYZ color **78.7596, 84.6230, 93.8442** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.7619, 80.0487, 85.4852**, and the grayscale version is **79.7309, 83.8831, 91.3487**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.9363, 46.2845, 51.4706** is the 20% darker color. If you saturate the color by 10%, you get **71.6518, 80.9613, 93.5065**, and if you desaturate by 10%, it is **86.9221, 88.8331, 94.2348**.

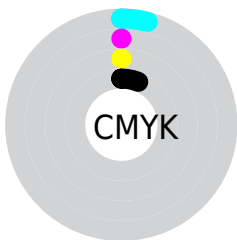
# Distribution



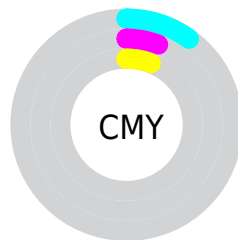
- Red (90%)
- Green (94%)
- Blue (94%)



- Red (90%)
- Yellow (92%)
- Blue (94%)



- Cyan (4%)
- Magenta (0%)
- Yellow (0%)
- Black (6%)



- Cyan (10%)
- Magenta (6%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.7596, 84.6230, 93.8442 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 78.7596, 84.6230, 93.8442 by changing the saturation by 10% instead.



■ 78.7596, 84.6230,  
93.8442

■ 78.7596, 84.6230,  
93.8442

479.5431,  
510.3798, 561.3477

■ 59.0031, 63.5299,  
70.5818

130.5801,  
139.8463, 154.6487

■ 42.8620, 46.2700,  
51.5213

163.3748,  
174.7454, 193.0278

■ 29.9709, 32.4590,  
36.2440

201.2463,  
215.0152, 237.2830

■ 19.9645, 21.7123,  
24.3315

244.5600,  
261.0402, 287.8327

■ 12.4773, 13.6457,  
15.3653

293.6811,  
313.2047, 345.0954

■ 7.1441, 7.8746,  
8.9267

348.9751,

■ 3.5995, 4.0148,

371.8933, 409.4899

4.5972

410.8073,  
437.4901, 481.4344

■ 1.4782, 1.6819,  
1.9584

■ 0.3109, 0.4119,  
0.5295

■ 78.7596, 84.6230,  
93.8442

■ 78.7596, 84.6230,  
93.8442

■ 71.6518, 80.9613,  
93.5065

■ 86.9221, 88.8331,  
94.2348

■ 65.5489, 77.8153,  
93.2140


■ 87.6910, 89.2293,  
94.2776


■ 60.4077, 75.1650,  
92.9665


■ 87.6923, 89.2299,  
94.2845


■ 56.1792, 72.9853,  
92.7618


■ 87.6936, 89.2304,  
94.2915


 52.8100, 71.2486,  
92.5973

 87.6949, 89.2309,  
94.2984


 50.2414, 69.9246,  
92.4702


 87.6962, 89.2314,  
94.3053


 48.4069, 68.9790,  
92.3775

 87.6975, 89.2320,  
94.3122

 47.2297, 68.3723,  
92.3156

 87.6988, 89.2325,  
94.3191

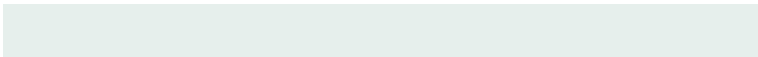
 46.6160, 68.0561,  
92.2800

 87.7002, 89.2330,  
94.3260

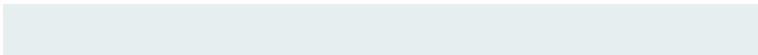
# Harmonies

## Analogous

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



78.6905, 84.6230, 91.1990



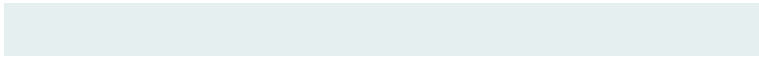
78.7596, 84.6230, 93.8442



79.2748, 84.6230, 96.0726

# Triad

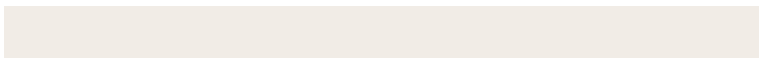
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.7596, 84.6230, 93.8442



81.7933, 84.6230, 95.5095



80.7618, 84.6230, 87.2078

# Complementary

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



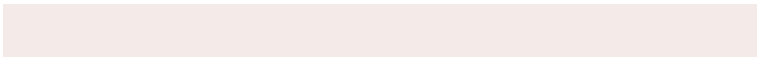
78.7596, 84.6230, 93.8442



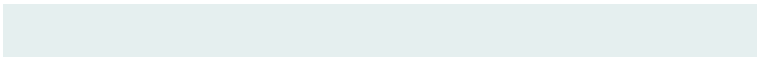
77.7619, 80.0487, 85.4852

# Split Complementary

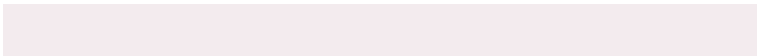
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.5997, 84.6230, 88.3163



78.7596, 84.6230, 93.8442



82.1983, 84.6230, 93.0875

# Square

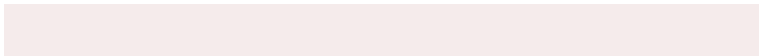
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.7596, 84.6230, 93.8442



81.0245, 84.6230, 97.0468



82.1271, 84.6230, 90.4567



79.8417, 84.6230, 87.4016

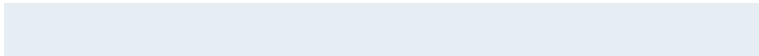


# Rectangle

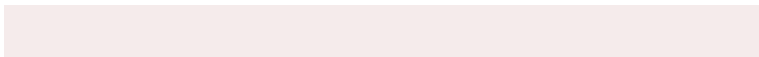
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



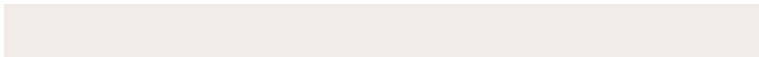
78.7596, 84.6230, 93.8442



79.8040, 84.6230, 97.0060



82.1271, 84.6230, 90.4567



81.0625, 84.6230, 87.4397

# Sweetspot

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



78.7620, 84.6266, 93.8461



94.1179, 99.5195, 108.8556



77.3781, 84.0792, 86.2807



20.1549, 21.3063, 23.3000



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

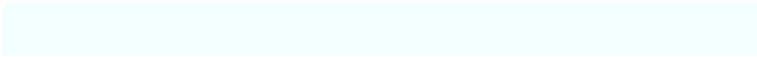


# Same Dimension

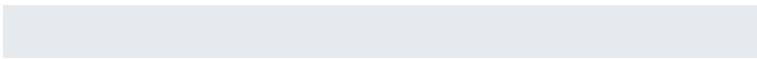
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.7620, 84.6266, 93.8461



90.5131, 97.6612, 108.6837



77.3658, 81.8333, 93.3834



16.8456, 18.2374, 20.3531



25.6602, 37.5561, 50.9871



2.1348, 3.1243, 4.2421



# Inverse Universe

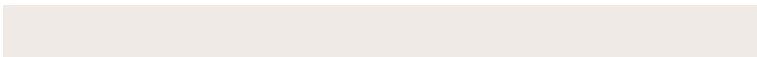
The Inverse Universe completely reimagines the original color for something new.



77.7619, 80.0487, 85.4852



89.1319, 91.3393, 97.1376



79.1180, 82.7617, 85.9347



16.5537, 16.9013, 17.9129



19.6718, 10.1412, 0.9226

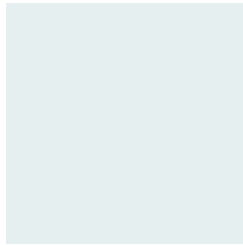


1.6366, 0.8437, 0.0772



# Previews

## White Background



This preview shows how the XYZ color 78.7596, 84.6230, 93.8442 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

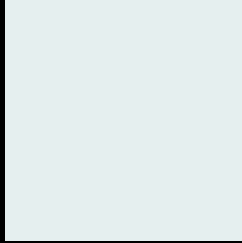
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.7596, 84.6230, 93.8442 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

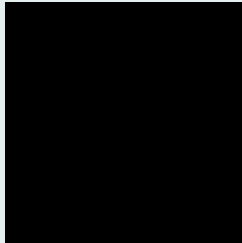
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

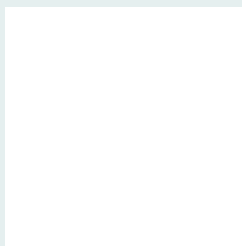
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 78.7596, 84.6230, 93.8442**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.7596, 84.6230, 93.8442.



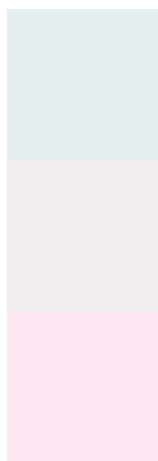
This preview shows how white text looks on a background with the XYZ color 78.7596, 84.6230,

93.8442.

# 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

78.7596, 84.6230, 93.8442

### Protanopia

81.5571, 84.8061, 92.1915

### Deuteranopia

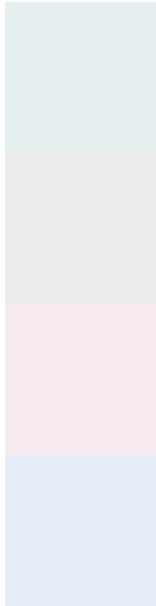
85.2650, 84.1449, 94.1857



## **Tritanopia**

81.3242, 84.3667, 106.6059

# Trichromacy



## Original Color

78.7596, 84.6230, 93.8442

## Protanomaly

80.6419, 84.7459, 92.9962

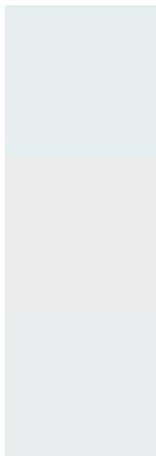
## Deuteranomaly

82.8731, 84.1619, 94.3151

## Tritanomaly

80.3381, 84.3969, 101.6785

# Monochromacy



## Original Color

78.7596, 84.6230, 93.8442

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

79.1745, 84.0064, 92.1627

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.7596, 84.6230, 93.8442 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(229, 239, 239) looks like.

```
.text, #text, p{  
    color:rgb(229, 239, 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(229, 239, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 239, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 78.7596, 84.6230, 93.8442 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(229, 239, 239) }
```



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

```
.border{ border-color:rgb(229, 239, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 239, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 239, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 239, 239);  
box-shadow:4px 4px 4px 4px rgb(229, 239,  
239) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.7596, 84.6230, 93.8442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 239, 239) }
```

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

```
.background{ background-color: rgb(229,  
239, 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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