

# Converting Colors

XYZ(78.7173, 82.9977, 93.5336)

Have a look what the booklet for  
XYZ(78.7173, 82.9977, 93.5336)  
contains.

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# **Color**

**XYZ(78.5670, 82.8045,  
93.5033)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8EBEF
RGB	232, 235, 239
RGB Percent	91%, 92%, 94%
CMY	0.0902, 0.0784, 0.0627
CMYK	0.03, 0.02, 0.00, 0.06
HSL	214°, 18%, 92%
HSV	214°, 3%, 94%
XYZ	78.5670, 82.8045, 93.5033
YIQ	234.5590, -3.0720, 0.6080

# Conversions

## Conversions Part 2

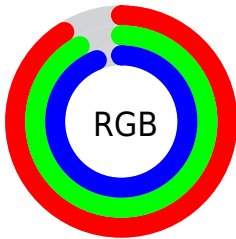
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	232, 234, 239
Decimal	15264751
CIE Lab	92.93, -0.27, -2.29
CIE LCh	93, 2.309, 263.261
Yxy	82.8045, 0.3083, 0.3249
Android (android.graphics.Color)	4293454831 (0xFFE8EBEF)
YUV	234.5590, 2.1894, -2.2442
Hunter-Lab	90.9970, -5.1274, 2.7749

# Details

The XYZ color **78.5670, 82.8045, 93.5033** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.1576, 84.1667, 88.3661**, and the grayscale version is **78.6181, 82.7123, 90.0737**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.5718, 44.8892, 51.2205** is the 20% darker color. If you saturate the color by 10%, you get **67.5734, 71.5611, 91.9138**, and if you desaturate by 10%, it is **90.5875, 95.0266, 95.2301**.

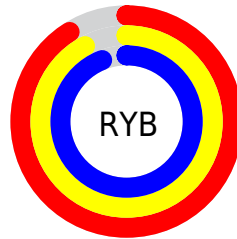
# Distribution



Red (91%)

Green (92%)

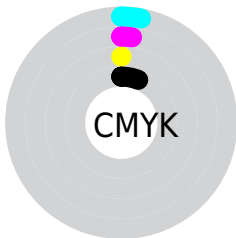
Blue (94%)



Red (91%)

Yellow (92%)

Blue (94%)

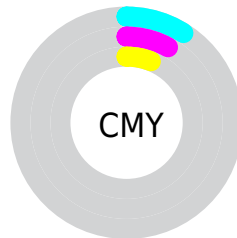


Cyan (3%)

Magenta (2%)

Yellow (0%)

Black (6%)



Cyan (9%)

Magenta (8%)

Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.5670, 82.8045, 93.5033 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 78.5670, 82.8045, 93.5033 by changing the saturation by 10% instead.



■ 78.5670, 82.8045,  
93.5033

■ 78.5670, 82.8045,  
93.5033

478.9007,  
504.3347, 560.2237

■ 58.8443, 62.0289,  
70.2999

130.3103,  
137.3016, 154.1730

■ 42.7337, 45.0560,  
51.2928

163.0615,  
171.7919, 192.4763

■ 29.8698, 31.5016,  
36.0633

200.8863,  
211.6225, 236.6501

■ 19.8874, 20.9811,  
24.1930

244.1499,  
257.1779, 287.1128

■ 12.4210, 13.1102,  
15.2633

293.2178,  
308.8424, 344.2829

■ 7.1053, 7.5045,  
8.8557

348.4554,

■ 3.5750, 3.7795,

367.0005, 408.5791

4.5517

410.2279,  
432.0364, 480.4199

■ 1.4646, 1.5510,  
1.9326

■ 0.3016, 0.3242,  
0.5134

■ 78.5670, 82.8045,  
93.5033

■ 78.5670, 82.8045,  
93.5033

■ 67.5734, 71.5611,  
91.9138

■ 90.5875, 95.0266,  
95.2301

■ 57.8831, 61.4222,  
90.4675

■ 92.5802, 99.0121,  
95.8944

■ 49.4464, 52.3541,  
89.1619

■ 42.2075, 44.3174,  
87.9922

■ 36.1064, 37.2701,  
86.9534

■ 31.0770, 31.1665,  
86.0404

■ 27.0460, 25.9569,  
85.2473

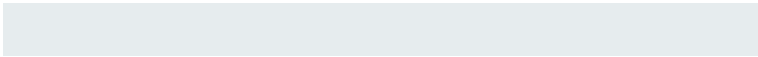
■ 23.9296, 21.5852,  
84.5677

■ 21.6277, 17.9865,  
83.9944

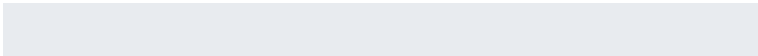
# Harmonies

## Analogous

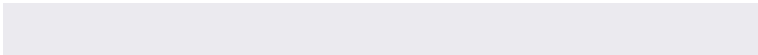
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.0106, 82.8045, 92.8515



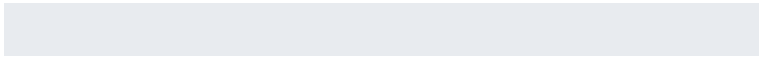
78.5670, 82.8045, 93.5033



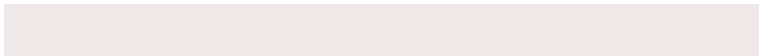
79.1627, 82.8045, 93.2501

# Triad

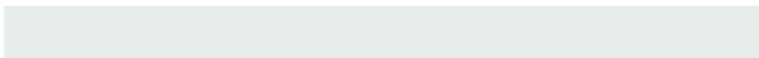
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.5670, 82.8045, 93.5033



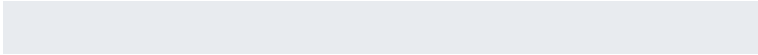
79.7749, 82.8045, 88.8530



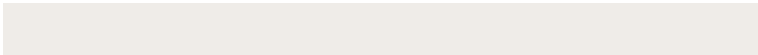
77.7763, 82.8045, 88.1852

# Complementary

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



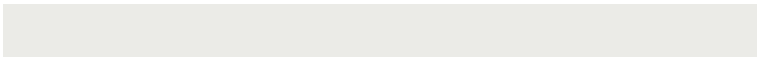
78.5670, 82.8045, 93.5033



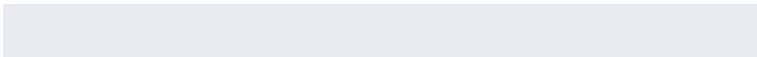
80.1576, 84.1667, 88.3661

# Split Complementary

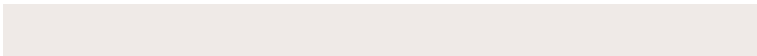
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.2455, 82.8045, 87.1390



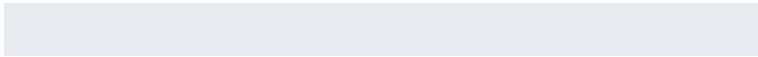
78.5670, 82.8045, 93.5033



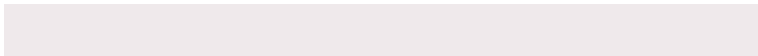
79.3999, 82.8045, 87.5210

# Square

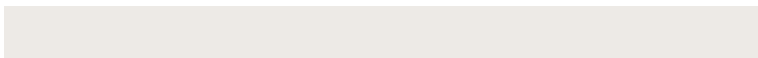
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



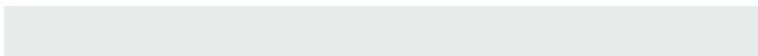
78.5670, 82.8045, 93.5033



79.8621, 82.8045, 90.5509



78.8395, 82.8045, 86.8974

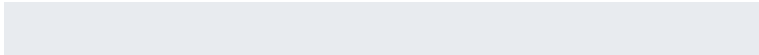


77.5556, 82.8045, 89.7703



# Rectangle

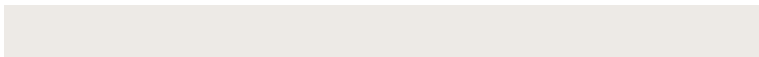
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



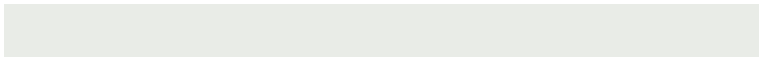
78.5670, 82.8045, 93.5033



79.5017, 82.8045, 92.6037



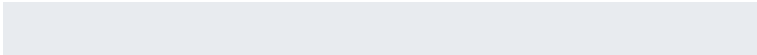
78.8395, 82.8045, 86.8974



77.9100, 82.8045, 87.7597

# Sweetspot

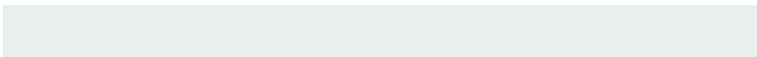
The Sweet Spot groups the original color and five complimentary colors.



78.5694, 82.8080, 93.5051



93.6554, 98.5943, 108.7022



79.2819, 84.9443, 91.5500



20.0608, 21.1181, 23.2688



0.0000, 0.0000, 0.0000

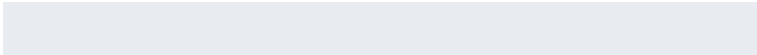


20.3446, 21.4041, 23.3091



# Same Dimension

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



78.5694, 82.8080, 93.5051



89.5670, 94.4576, 108.1192



77.8682, 81.1804, 93.2279



16.5970, 17.5103, 20.2267



11.3909, 9.0061, 46.2659



1.0445, 0.9429, 3.8812



# Inverse Universe

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



79.4504, 82.0636, 90.2539



90.9585, 93.2945, 102.9813



80.8725, 85.8301, 88.6495



16.9036, 17.2558, 19.0940



21.0752, 10.7025, 8.3127

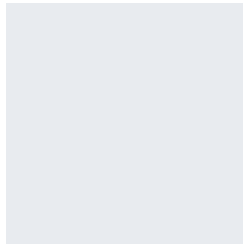


1.8021, 0.9099, 0.9489



# Previews

## White Background



This preview shows how the XYZ color 78.5670, 82.8045, 93.5033 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

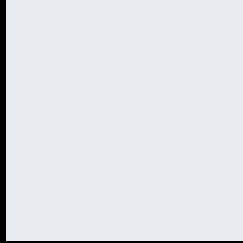
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.5670, 82.8045, 93.5033 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

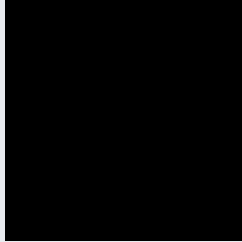
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

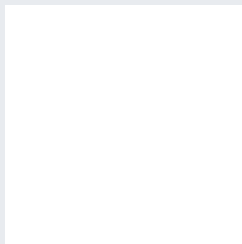
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 78.5670, 82.8045, 93.5033**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.5670, 82.8045, 93.5033.



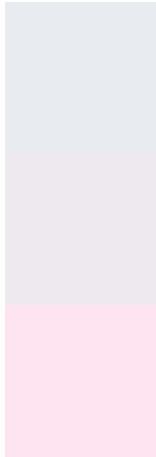
This preview shows how white text looks on a background with the XYZ color 78.5670, 82.8045,

93.5033.

# 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

78.5670, 82.8045, 93.5033

### Protanopia

79.8314, 82.6280, 92.6302

### Deuteranopia

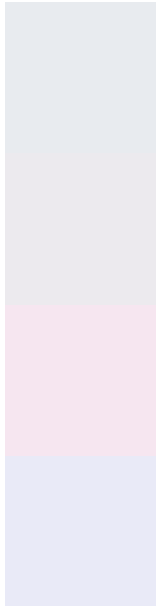
84.2193, 82.3599, 94.6773



## Tritanopia

80.4832, 82.7353, 102.9944

# Trichromacy



## Original Color

78.5670, 82.8045, 93.5033

## Protanomaly

79.4475, 82.8516, 92.6935

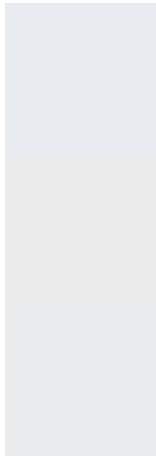
## Deuteranomaly

82.0310, 82.4777, 94.0344

## Tritanomaly

79.8156, 82.8847, 99.7873

# Monochromacy



## Original Color

78.5670, 82.8045, 93.5033

## Achromatopsia

78.9647, 83.0770, 90.4708

## Achromatomaly

78.7803, 82.9652, 91.2186

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.5670, 82.8045, 93.5033 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(232, 235, 239) looks like.

```
.text, #text, p{  
    color:rgb(232, 235, 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(232, 235, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 235, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 78.5670, 82.8045, 93.5033 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(232, 235, 239) }
```



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

```
.border{ border-color:rgb(232, 235, 239) }
```

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

Here you see how a box with a 4 pixel rgb(232, 235, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 235, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 235, 239);  
box-shadow:4px 4px 4px 4px rgb(232, 235,  
239) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.5670, 82.8045, 93.5033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 235, 239) }
```

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

```
.background{ background-color: rgb(232,  
235, 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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