

# Converting Colors

XYZ(78.0669, 81.6428, 98.8337)

Have a look what the booklet for  
XYZ(78.0669, 81.6428, 98.8337)  
contains.

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# **Color**

**XYZ(78.0866, 81.5897,  
98.8216)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E5E9F6
RGB	229, 233, 246
RGB Percent	90%, 91%, 96%
CMY	0.1020, 0.0863, 0.0353
CMYK	0.07, 0.05, 0.00, 0.04
HSL	226°, 49%, 93%
HSV	226°, 7%, 96%
XYZ	78.0866, 81.5897, 98.8216
YIQ	233.2860, -6.5570, 3.1950

# Conversions

## Conversions Part 2

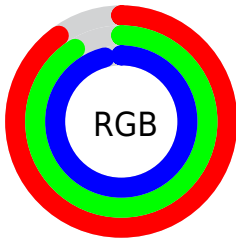
Format	Color
R <sub>Y</sub> B	229, 232, 246
Decimal	15067638
CIE Lab	92.39, 1.08, -6.75
CIE LCh	92, 6.840, 279.068
Yxy	81.5897, 0.3021, 0.3156
Android (android.graphics.Color)	4293257718 (0xFFE5E9F6)
YUV	233.2860, 6.2680, -3.7588
Hunter-Lab	90.3270, -3.7612, -1.6369

# Details

The XYZ color **78.0866, 81.5897, 98.8216** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.9013, 88.7535, 86.8393**, and the grayscale version is **77.6273, 81.6700, 88.9386**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.4720, 44.1607, 55.0005** is the 20% darker color. If you saturate the color by 10%, you get **65.7438, 67.7419, 96.8005**, and if you desaturate by 10%, it is **92.1138, 97.1527, 101.0875**.

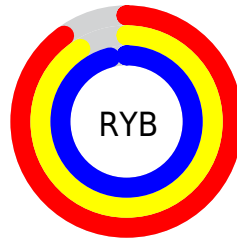
# Distribution



Red (90%)

Green (91%)

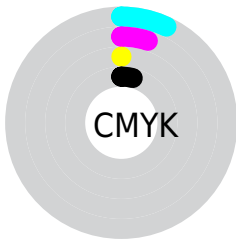
Blue (96%)



Red (90%)

Yellow (91%)

Blue (96%)

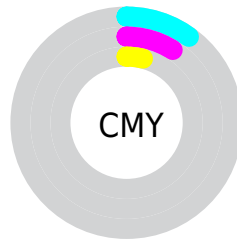


Cyan (7%)

Magenta (5%)

Yellow (0%)

Black (4%)



Cyan (10%)

Magenta (9%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.0866, 81.5897, 98.8216 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 78.0866, 81.5897, 98.8216 by changing the saturation by 10% instead.



■ 78.0866, 81.5897,  
98.8216

■ 78.0866, 81.5897,  
98.8216

477.2962,  
500.2742, 577.6223

■ 58.4482, 61.0274,  
74.7054

129.6369,  
135.5985, 161.5746

■ 42.4137, 44.2473,  
54.8713

162.2795,  
169.8137, 201.0484

■ 29.6179, 30.8650,  
38.9008

199.9875,  
209.3487, 246.4785

■ 19.6954, 20.4960,  
26.3753

243.1263,  
254.5879, 298.2835

■ 12.2808, 12.7561,  
16.8763

292.0612,  
305.9157, 356.8818

■ 7.0088, 7.2608,  
9.9853

347.1575,

■ 3.5140, 3.6258,

363.7164, 422.6920

5.2838

408.7808,  
428.3744, 496.1327

■ 1.4310, 1.4665,  
2.3531

■ 0.2782, 0.2650,  
0.7607

■ 78.0866, 81.5897,  
98.8216

■ 78.0866, 81.5897,  
98.8216

■ 65.7438, 67.7419,  
96.8005

■ 92.1138, 97.1527,  
101.0875

■ 55.0141, 55.5395,  
95.0107

■ 93.6348, 99.4339,  
101.4477

■ 45.8314, 44.9231,  
93.4455

■ 38.1223, 35.8256,  
92.0958

■ 31.8073, 28.1752,  
90.9520

■ 26.7989, 21.8936,  
90.0035

■ 22.9993, 16.8950,  
89.2389

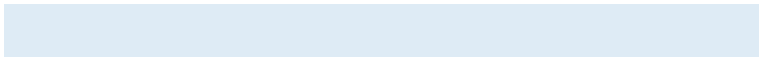
■ 20.2958, 13.0823,  
88.6455

■ 18.5490, 10.3410,  
88.2085

# Harmonies

## Analogous

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



76.3382, 81.5897, 98.2625



78.0866, 81.5897, 98.8216



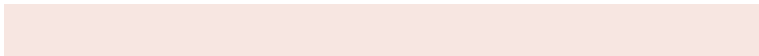
79.7149, 81.5897, 96.6274

# Triad

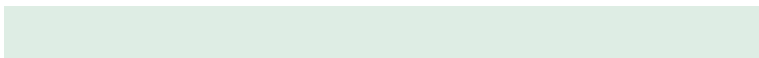
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.0866, 81.5897, 98.8216



80.2230, 81.5897, 82.8306



74.4108, 81.5897, 85.3981

# Complementary

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



78.0866, 81.5897, 98.8216



83.9013, 88.7535, 86.8393

# Split Complementary

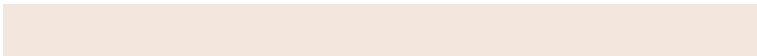
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.4218, 81.5897, 81.4776



78.0866, 81.5897, 98.8216



78.7717, 81.5897, 80.0350

# Square

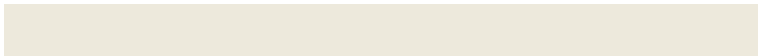
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.0866, 81.5897, 98.8216



80.9606, 81.5897, 87.3088



77.0130, 81.5897, 79.5492



74.2337, 81.5897, 90.3835

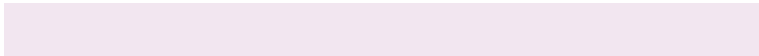


# Rectangle

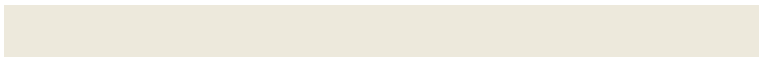
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



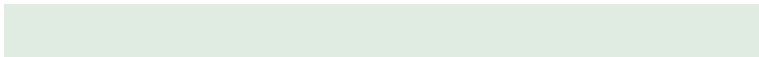
78.0866, 81.5897, 98.8216



80.5068, 81.5897, 93.9459



77.0130, 81.5897, 79.5492



74.6637, 81.5897, 83.9174

# Sweetspot

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



78.0890, 81.5932, 98.8234



91.9673, 96.5830, 108.4029



81.2597, 88.9667, 96.6985



19.7171, 20.7086, 23.2079



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.



78.0890, 81.5932, 98.8234



83.1640, 86.7841, 106.9755



78.3412, 80.0597, 98.5141



15.8979, 16.5601, 20.9011



9.7736, 5.3409, 47.0538



0.9349, 0.6212, 4.1609



# Inverse Universe

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



80.7352, 81.5163, 88.5739



86.4737, 86.7038, 94.1527



83.6322, 90.4031, 87.1718



16.6590, 16.5465, 17.9511



20.7378, 10.6385, 3.3275

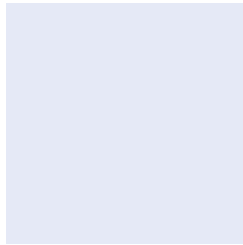


1.8610, 0.9503, 0.4942



# Previews

## White Background



This preview shows how the XYZ color 78.0866, 81.5897, 98.8216 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

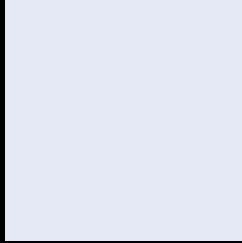
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.0866, 81.5897, 98.8216 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

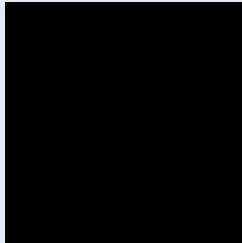
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 78.0866, 81.5897, 98.8216**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.0866, 81.5897, 98.8216.



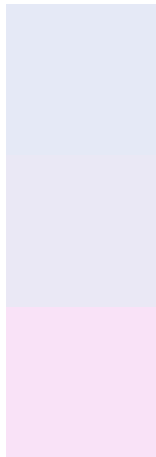
This preview shows how white text looks on a background with the XYZ color 78.0866, 81.5897,

98.8216.

# 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

78.0866, 81.5897, 98.8216

### Protanopia

79.2697, 81.7982, 97.9969

### Deuteranopia

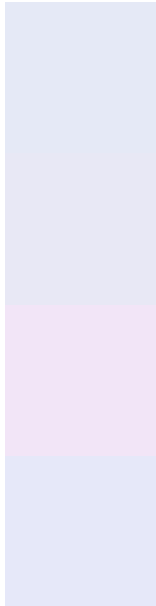
83.0518, 81.2478, 99.3008



## Tritanopia

78.9023, 81.5013, 102.8395

# Trichromacy



## Original Color

78.0866, 81.5897, 98.8216

## Protanomaly

78.6168, 81.4616, 97.9663

## Deuteranomaly

81.4258, 81.6313, 99.4605

## Tritanomaly

78.5886, 81.3758, 101.1876

# Monochromacy



## Original Color

78.0866, 81.5897, 98.8216

## Achromatopsia

77.4512, 81.4847, 88.7368

## Achromatomaly

77.8502, 81.6067, 92.5374

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.0866, 81.5897, 98.8216 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, 233, 246) looks like.

```
.text, #text, p{  
    color:rgb(229, 233, 246)  
}
```

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, 233, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 233, 246) }
```

## Border

The CSS property to change the border of an element to XYZ 78.0866, 81.5897, 98.8216 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, 233, 246) }
```



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

```
.border{ border-color:rgb(229, 233, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 233, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 233, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 233, 246);  
box-shadow:4px 4px 4px 4px rgb(229, 233,  
246) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.0866, 81.5897, 98.8216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 233, 246) }
```

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

```
.background{ background-color: rgb(229,  
233, 246) }
```

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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