

# Converting Colors

XYZ(77.5968, 81.1148,  
100.2639)



Have a look what the booklet for  
XYZ(77.5968, 81.1148, 100.2639)  
contains.

**XYZ(77.7607, 81.3860, 100.4176) ..... 3**

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# Color

**XYZ(77.7607, 81.3860,  
100.4176)**



# Conversions

Conversions Part 1	
Format	Color
Hex	E3E9F8
RGB	227, 233, 248
RGB Percent	89%, 91%, 97%
CMY	0.1098, 0.0863, 0.0274
CMYK	0.08, 0.06, 0.00, 0.03
HSL	223°, 60%, 93%
HSV	223°, 8%, 97%
XYZ	77.7607, 81.3860, 100.4176
YIQ	232.9160, -8.3910, 3.3930



# Conversions

## Conversions Part 2

Format	Color
<a href="#">RYB</a>	<a href="#">227, 232, 248</a>
Decimal	<a href="#">14936568</a>
CIELab	<a href="#">92.30, 0.81, -7.95</a>
CIELCh	<a href="#">92, 7.988, 275.854</a>
Yxy	<a href="#">81.3860, 0.2996, 0.3135</a>
Android (android.graphics.Color)	<a href="#">4293126648</a> (0xFFE3E9F8)
YUV	<a href="#">232.9160, 7.4364, -5.1883</a>
Hunter-Lab	<a href="#">90.2142, -4.0156, -2.8459</a>



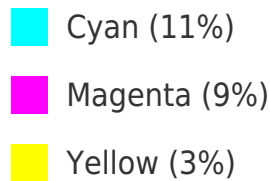
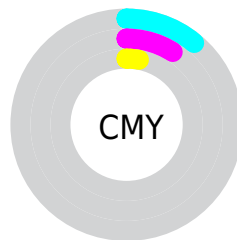
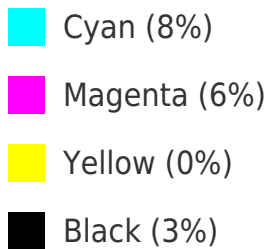
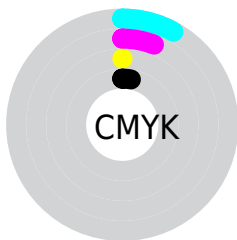
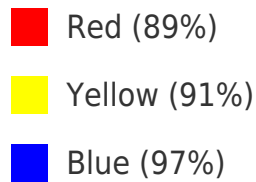
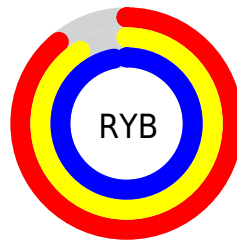
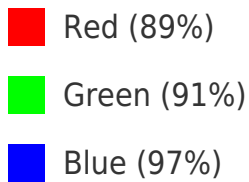
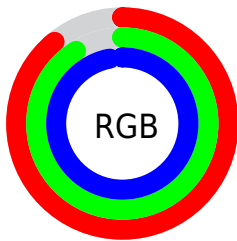
# Details

The XYZ color **77.7607, 81.3860, 100.4176** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.3289, 89.0061, 85.4097**, and the grayscale version is **77.3412, 81.3690, 88.6109**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2498, 44.0207, 56.1392** is the 20% darker color. If you saturate the color by 10%, you get **65.7309, 68.1134, 98.4910**, and if you desaturate by 10%, it is **91.4251, 96.2527, 102.5682**.



# Distribution







# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.7607, 81.3860, 100.4176 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 77.7607, 81.3860, 100.4176 by changing the saturation by 10% instead.




 77.7607, 81.3860,  
100.4176

 77.7607, 81.3860,  
100.4176

476.2060,  
499.5916, 582.7888

 58.1795, 60.8596,  
76.0305


129.1799,  
135.3126, 163.7878

 42.1968, 44.1118,  
55.9507


161.7486,  
169.4816, 203.6080

 29.4472, 30.7584,  
39.7597


199.3772,  
208.9669, 249.4097

 19.5654, 20.4150,  
27.0389

242.4310,  
254.1528, 301.6114

 12.1859, 12.6971,  
17.3697

291.2755,  
305.4239, 360.6316

 6.9435, 7.2203,  
10.3337

346.2759,


 3.4728, 3.6002,





363.1644, 426.8889


5.5123


407.7976,  
427.7589, 500.8018


 1.4085, 1.4526,  
2.4869


 0.2622, 0.2550,  
0.8332


 77.7607, 81.3860,  
100.4176


 77.7607, 81.3860,  
100.4176


 65.7309, 68.1134,  
98.4910

 91.4251, 96.2527,  
102.5682

 55.2659, 56.3703,  
96.7760

 93.9435, 99.5574,  
103.0734

 46.3012, 46.1029,  
95.2666

 38.7650, 37.2498,  
93.9550



■ 32.5793, 29.7454,  
92.8325

■ 27.6582, 23.5182,  
91.8899

■ 23.9051, 18.4896,  
91.1171

■ 21.2078, 14.5704,  
90.5028

■ 19.4141, 11.6480,  
90.0333



# Harmonies

## Analogous

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



75.7419, 81.3860, 99.4039



77.7607, 81.3860, 100.4176



79.7043, 81.3860, 98.1568

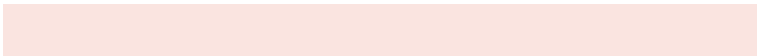


# Triad

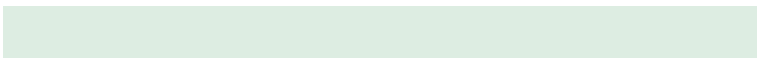
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.7607, 81.3860, 100.4176



80.6185, 81.3860, 82.1196



73.7875, 81.3860, 84.0442

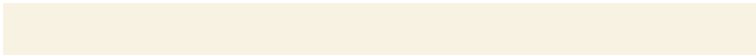


# Complementary

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



77.7607, 81.3860, 100.4176

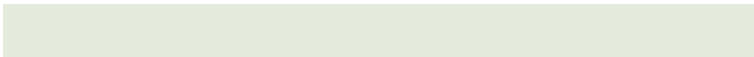


84.3289, 89.0061, 85.4097



# Split Complementary

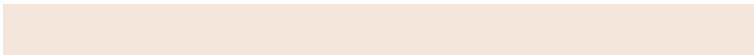
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.0522, 81.3860, 79.7134



77.7607, 81.3860, 100.4176



78.9908, 81.3860, 78.6374

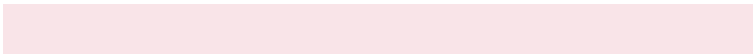


# Square

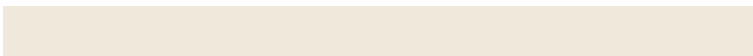
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.7607, 81.3860, 100.4176



81.3730, 81.3860, 87.4606



76.9506, 81.3860, 77.7764



73.4714, 81.3860, 89.7806



# Rectangle

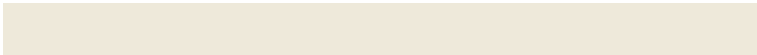
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



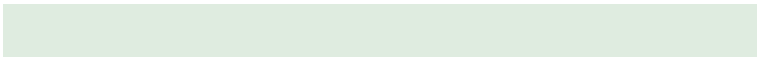
77.7607, 81.3860, 100.4176



80.6883, 81.3860, 95.1538



76.9506, 81.3860, 77.7764



74.1147, 81.3860, 82.3839

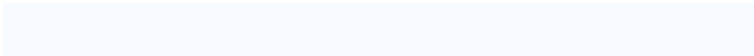


# Sweetspot

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



77.7631, 81.3894, 100.4194



90.5732, 95.1417, 108.1982



81.2293, 89.8599, 96.8331



19.1361, 20.0919, 23.1195



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091





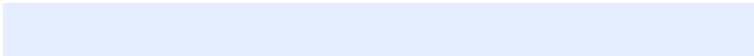


# Same Dimension

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



77.7631, 81.3894, 100.4194



80.7463, 84.4072, 106.6442



77.4333, 78.7391, 99.9252



16.6871, 17.4511, 21.8742



10.4694, 6.2944, 48.6367



1.0559, 0.7555, 4.5334







# Inverse Universe

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



80.8903, 80.7794, 88.4234



84.6532, 83.6779, 91.6497



84.6727, 91.8796, 85.9462



17.4486, 17.3068, 18.9522



21.5765, 11.0463, 4.4783



2.0419, 1.0405, 0.6441

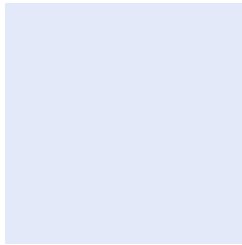






# Previews

## White Background



This preview shows how the XYZ color 77.7607, 81.3860, 100.4176 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

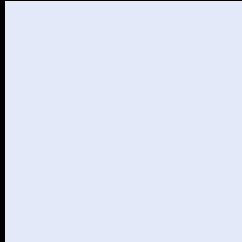
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.7607, 81.3860, 100.4176 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

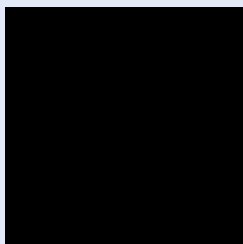
Any Text WCAG AAA ✓ Pass

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

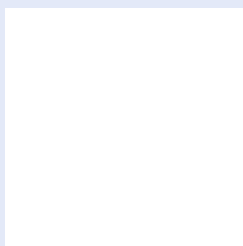


**XYZ 77.7607, 81.3860, 100.4176**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.7607, 81.3860, 100.4176.



This preview shows how white text looks on a background with the XYZ color 77.7607, 81.3860,



100.4176.



# 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

77.7607, 81.3860, 100.4176

### Protanopia

78.9687, 81.1909, 99.5050

### Deuteranopia

83.0066, 81.1887, 100.9186



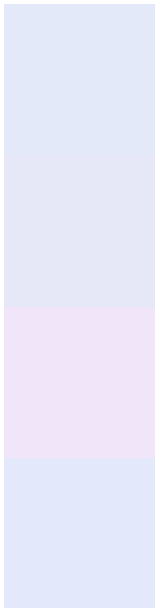


## Tritanopia

78.2301, 81.5738, 102.8889



# Trichromacy



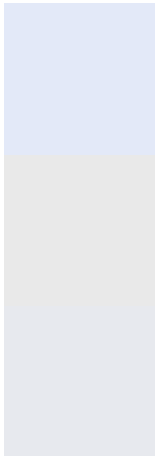
**Original Color**  
77.7607, 81.3860, 100.4176

**Protanomaly**  
78.6001, 81.4176, 99.5682

**Deuteranomaly**  
81.0534, 81.4034, 101.0630

**Tritanomaly**  
78.0728, 81.5108, 102.0608

# Monochromacy



**Original Color**  
77.7607, 81.3860, 100.4176

**Achromatopsia**  
77.4512, 81.4847, 88.7368

**Achromatomaly**  
77.5265, 81.4398, 92.5223



# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.7607, 81.3860, 100.4176 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(227, 233, 248)` looks like.

```
.text, #text, p{  
    color:rgb(227, 233, 248)  
}
```



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(227, 233, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 233, 248) }
```

## Border

The CSS property to change the border of an element to XYZ 77.7607, 81.3860, 100.4176 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(227, 233, 248) }
```



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

```
.border{ border-color:rgb(227, 233, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 233, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 233, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 233, 248);  
box-shadow:4px 4px 4px 4px rgb(227, 233,  
248) }
```



# Background

The CSS property to change the background color of an element to XYZ 77.7607, 81.3860, 100.4176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 233, 248) }
```

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

```
.background{ background-color: rgb(227,  
233, 248) }
```

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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