

# Converting Colors

XYZ(77.0141, 79.6333, 91.0476)

Have a look what the booklet for  
XYZ(77.0141, 79.6333, 91.0476)  
contains.

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# Color

**XYZ(76.7639, 79.4184,  
90.6403)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E9E5EC
RGB	233, 229, 236
RGB Percent	91%, 90%, 93%
CMY	0.0863, 0.1019, 0.0745
CMYK	0.01, 0.03, 0.00, 0.07
HSL	274°, 16%, 91%
HSV	274°, 3%, 93%
XYZ	76.7639, 79.4184, 90.6403
YIQ	230.9940, 0.1370, 3.0250

# Conversions

## Conversions Part 2

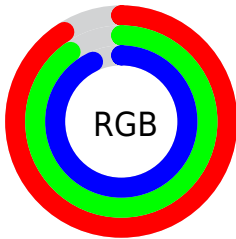
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	233, 229, 236
Decimal	15328748
CIE Lab	91.42, 2.60, -2.93
CIE LCh	91, 3.917, 311.607
Yxy	79.4184, 0.3110, 0.3218
Android (android.graphics.Color)	4293518828 (0xFFE9E5EC)
YUV	230.9940, 2.4680, 1.7593
Hunter-Lab	89.1170, -2.1978, 2.0784

# Details

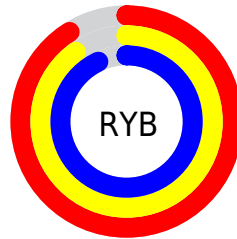
The XYZ color **76.7639, 79.4184, 90.6403** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.4201, 82.8060, 86.0355**, and the grayscale version is **75.9353, 79.8899, 87.0000**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.5057, 42.9145, 49.2758** is the 20% darker color. If you saturate the color by 10%, you get **67.4638, 65.5822, 88.4610**, and if you desaturate by 10%, it is **87.1457, 95.1344, 93.1278**.

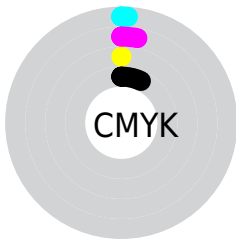
# Distribution



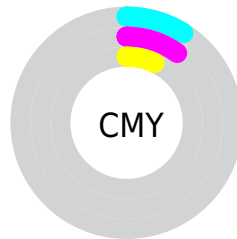
- Red (91%)
- Green (90%)
- Blue (93%)



- Red (91%)
- Yellow (90%)
- Blue (93%)



- Cyan (1%)
- Magenta (3%)
- Yellow (0%)
- Black (7%)



- Cyan (9%)
- Magenta (10%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.7639, 79.4184, 90.6403 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 76.7639, 79.4184, 90.6403 by changing the saturation by 10% instead.



■ 76.7639, 79.4184,  
90.6403

■ 76.7639, 79.4184,  
90.6403

472.8630,  
492.9706, 550.7353

■ 57.3584, 59.2399,  
67.9351

127.7808,  
132.5477, 150.1708

■ 41.5343, 42.8062,  
49.3786

160.1228,  
166.2673, 187.8331

■ 28.9263, 29.7331,  
34.5522

197.5077,  
205.2694, 231.3183

■ 19.1691, 19.6361,  
23.0373

240.3009,  
249.9383, 281.0448

■ 11.8973, 12.1308,  
14.4155

288.8676,  
300.6585, 337.4313

■ 6.7455, 6.8328,  
8.2682

343.5733,

■ 3.3483, 3.3578,

357.8144, 400.8961

4.1768

404.7833,  
421.7903, 471.8579

■ 1.3405, 1.3212,  
1.7228

■ 0.2132, 0.1576,  
0.3763

■ 76.7639, 79.4184,  
90.6403

■ 76.7639, 79.4184,  
90.6403

■ 67.4638, 65.5822,  
88.4610

■ 87.1457, 95.1344,  
93.1278

■ 59.1999, 53.5428,  
86.5727

■ 91.4968, 98.5043,  
93.5489

■ 51.9333, 43.2261,  
84.9644

■ 92.1406, 98.8362,  
93.5791

■ 45.6198, 34.5487,  
83.6222

■ 40.2116, 27.4200,  
82.5313

■ 35.6564, 21.7407,  
81.6752

■ 31.8957, 17.3991,  
81.0354

■ 28.8625, 14.2668,  
80.5906

■ 26.4764, 12.1886,  
80.3153

# Harmonies

## Analogous

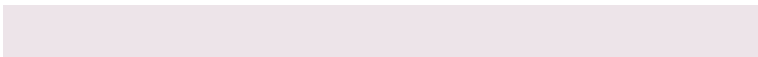
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.8708, 79.4184, 91.9590



76.7639, 79.4184, 90.6403



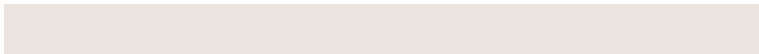
77.3171, 79.4184, 88.2158

# Triad

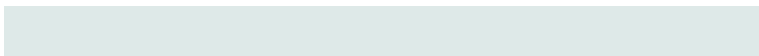
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.7639, 79.4184, 90.6403



76.0908, 79.4184, 81.3712



73.6239, 79.4184, 87.5816

# Complementary

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



76.7639, 79.4184, 90.6403



77.4201, 82.8060, 86.0355

# Split Complementary

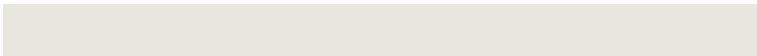
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.6817, 79.4184, 84.7536



76.7639, 79.4184, 90.6403



75.1001, 79.4184, 81.2099

# Square

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



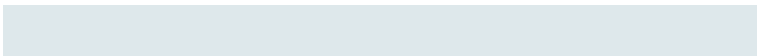
76.7639, 79.4184, 90.6403



76.9262, 79.4184, 82.8813



74.2200, 79.4184, 82.4357



74.0616, 79.4184, 90.1673



# Rectangle

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



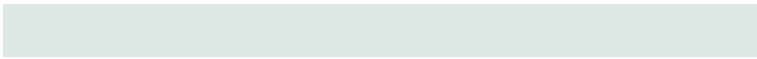
76.7639, 79.4184, 90.6403



77.4158, 79.4184, 86.3194



74.2200, 79.4184, 82.4357



73.5862, 79.4184, 86.6270

# Sweetspot

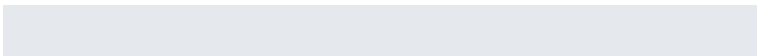
The Sweet Spot groups the original color and five complimentary colors.



76.7662, 79.4218, 90.6420



93.8407, 98.1770, 108.6119



76.3225, 80.4493, 90.8637



20.0985, 21.0331, 23.2504



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.



76.7662, 79.4218, 90.6420



90.2910, 92.8437, 107.7695



77.6863, 79.9040, 90.3318



16.0026, 16.3857, 19.2416



13.9865, 6.2462, 44.2114



1.2080, 0.5471, 3.4768



# Inverse Universe

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



77.1797, 79.7013, 87.6642



90.9580, 93.2943, 102.9785



76.5196, 82.3343, 86.3338



16.1429, 16.4805, 18.2349



20.4300, 10.3747, 8.0656

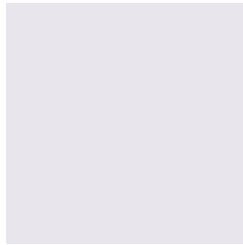


1.6516, 0.8336, 0.8825



# Previews

## White Background



This preview shows how the XYZ color 76.7639, 79.4184, 90.6403 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

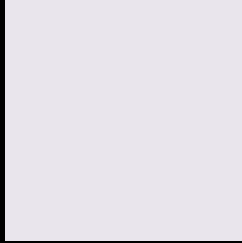
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.7639, 79.4184, 90.6403 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

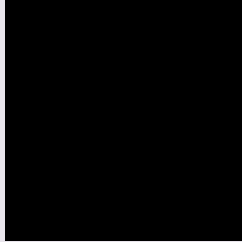
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

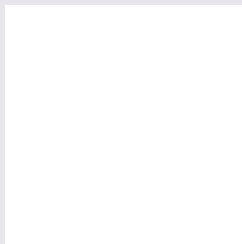
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 76.7639, 79.4184, 90.6403**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.7639, 79.4184, 90.6403.



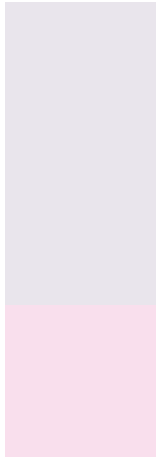
This preview shows how white text looks on a background with the XYZ color 76.7639, 79.4184,

90.6403.

# 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

76.7639, 79.4184, 90.6403

### Protanopia

76.7639, 79.4184, 90.6403

### Deuteranopia

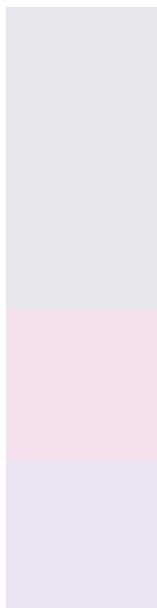
80.7407, 79.0295, 91.1195



## Tritanopia

78.1565, 79.5718, 97.6258

# Trichromacy



## Original Color

76.7639, 79.4184, 90.6403

## Protanomaly

76.7639, 79.4184, 90.6403

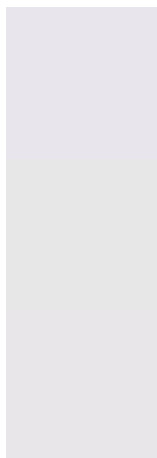
## Deuteranomaly

79.1734, 79.0195, 91.2002

## Tritanomaly

77.7021, 79.3900, 95.2329

# Monochromacy



## Original Color

76.7639, 79.4184, 90.6403

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

76.2835, 79.6326, 88.4409

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.7639, 79.4184, 90.6403 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(233, 229, 236) looks like.

```
.text, #text, p{  
    color:rgb(233, 229, 236)  
}
```

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(233, 229, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 229, 236) }
```

## Border

The CSS property to change the border of an element to XYZ 76.7639, 79.4184, 90.6403 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(233, 229, 236) }
```



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

```
.border{ border-color:rgb(233, 229, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 229, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 229, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 229, 236);  
box-shadow:4px 4px 4px 4px rgb(233, 229,  
236) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.7639, 79.4184, 90.6403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 229, 236) }
```

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

```
.background{ background-color: rgb(233,  
229, 236) }
```

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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