

Converting Colors

XYZ(76.9200, 80.2626, 90.8659)

Have a look what the booklet for
XYZ(76.9200, 80.2626, 90.8659)
contains.

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Color

**XYZ(76.9949, 80.3638,
90.8106)**

Conversions

Conversions Part 1

Format	Color
Hex	E8E7EC
RGB	232, 231, 236
RGB Percent	91%, 91%, 93%
CMY	0.0902, 0.0941, 0.0745
CMYK	0.02, 0.02, 0.00, 0.07
HSL	252°, 12%, 92%
HSV	252°, 2%, 93%
XYZ	76.9949, 80.3638, 90.8106
YIQ	231.8690, -1.0090, 1.7670

Conversions

Conversions Part 2

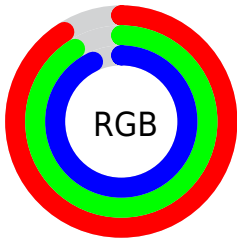
Format	Color
R _Y B	232, 231, 236
Decimal	15263724
CIE Lab	91.85, 1.24, -2.31
CIE LCh	92, 2.624, 298.129
Yxy	80.3638, 0.3103, 0.3238
Android (android.graphics.Color)	4293453804 (0xFFE8E7EC)
YUV	231.8690, 2.0366, 0.1149
Hunter-Lab	89.6459, -3.5704, 2.6918

Details

The XYZ color **76.9949, 80.3638, 90.8106** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **78.6834, 83.4249, 87.5610**, and the grayscale version is **76.5916, 80.5803, 87.7519**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.4727, 43.1853, 49.3298** is the 20% darker color. If you saturate the color by 10%, you get **65.0227, 65.0404, 88.4851**, and if you desaturate by 10%, it is **90.5219, 97.8153, 93.4673**.

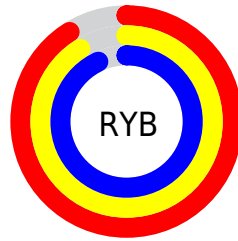
Distribution



Red (91%)

Green (91%)

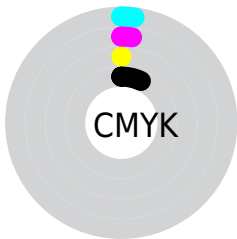
Blue (93%)



Red (91%)

Yellow (91%)

Blue (93%)

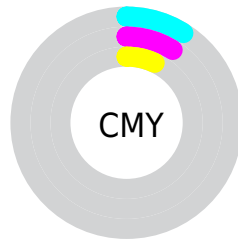


Cyan (2%)

Magenta (2%)

Yellow (0%)

Black (7%)



Cyan (9%)

Magenta (9%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.9949, 80.3638, 90.8106 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 76.9949, 80.3638, 90.8106 by changing the saturation by 10% instead.

■ 76.9949, 80.3638,
90.8106

■ 76.9949, 80.3638,
90.8106

473.6388,
496.1580, 551.3022

■ 57.5486, 60.0178,
68.0757

128.1052,
133.8771, 150.4092

■ 41.6877, 43.4330,
49.4922

160.4998,
167.8131, 188.1099

■ 29.0469, 30.2250,
34.6417

197.9413,
207.0480, 231.6363

■ 19.2607, 20.0094,
23.1057

240.7950,
251.9660, 281.4069

■ 11.9640, 12.4019,
14.4655

289.4263,
302.9517, 337.8402

■ 6.7912, 7.0180,
8.3027

344.2004,

■ 3.3770, 3.4734,

360.3893, 401.3549

4.1987

405.4828,
424.6633, 472.3693

■ 1.3561, 1.3836,
1.7350

■ 0.2246, 0.2046,
0.3845

■ 76.9949, 80.3638,
90.8106

■ 76.9949, 80.3638,
90.8106

■ 65.0227, 65.0404,
88.4851

■ 90.5219, 97.8153,
93.4673

■ 54.5422, 51.7532,
86.4728

■ 92.1406, 98.8362,
93.5791

■ 45.4961, 40.4190,
84.7619

■ 37.8208, 30.9448,
83.3377

■ 31.4478, 23.2298,
82.1844

■ 26.3025, 17.1637,
81.2847

■ 22.3025, 12.6235,
80.6192

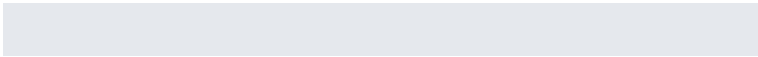
■ 19.3544, 9.4684,
80.1656

■ 17.3491, 7.5306,
79.8973

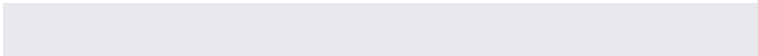
Harmonies

Analogous

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



76.3412, 80.3638, 91.2579



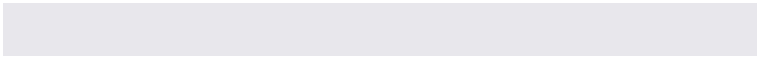
76.9949, 80.3638, 90.8106



77.4873, 80.3638, 89.4733

Triad

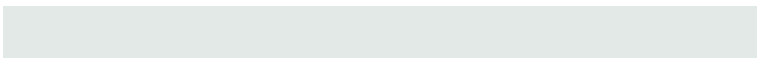
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.9949, 80.3638, 90.8106



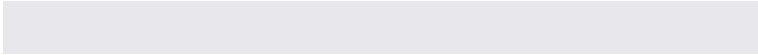
77.0685, 80.3638, 84.3938



75.0977, 80.3638, 87.3816

Complementary

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



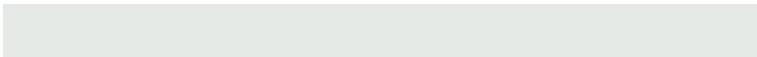
76.9949, 80.3638, 90.8106



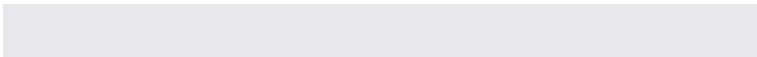
78.6834, 83.4249, 87.5610

Split Complementary

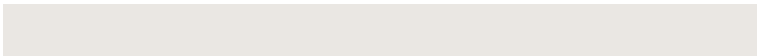
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.2900, 80.3638, 85.5609



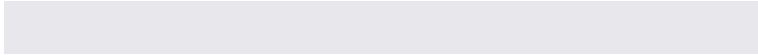
76.9949, 80.3638, 90.8106



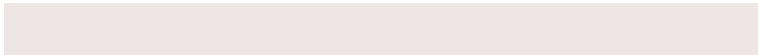
76.4256, 80.3638, 83.8516

Square

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



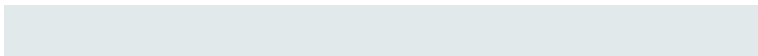
76.9949, 80.3638, 90.8106



77.5299, 80.3638, 85.7674



75.7751, 80.3638, 84.2758



75.2482, 80.3638, 89.2609

Rectangle

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



76.9949, 80.3638, 90.8106



77.6563, 80.3638, 88.2668



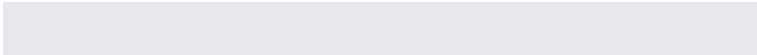
75.7751, 80.3638, 84.2758



75.1244, 80.3638, 86.7426

Sweetspot

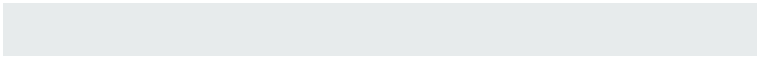
The Sweet Spot groups the original color and five complimentary colors.



76.9972, 80.3672, 90.8124



93.4947, 97.9986, 108.5957



77.8303, 82.5118, 91.1824



20.0281, 20.9968, 23.2471



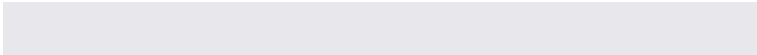
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



76.9972, 80.3672, 90.8124



90.4401, 94.0725, 107.9988



77.7877, 80.7747, 90.8493



15.9702, 16.5612, 19.2772



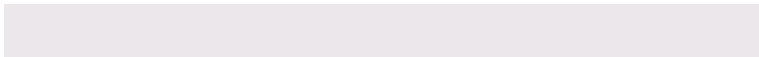
9.0761, 3.7148, 43.9816



0.7890, 0.3311, 3.4572

Inverse Universe

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



78.1664, 80.9866, 90.1139



92.4134, 95.1180, 106.8150



77.8903, 83.0160, 87.5239



16.4116, 16.7952, 19.0113



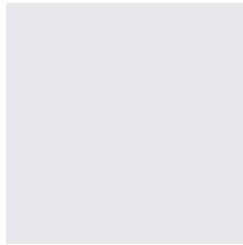
24.1761, 11.8731, 27.7924



1.9311, 0.9454, 2.3544

Previews

White Background



This preview shows how the XYZ color 76.9949, 80.3638, 90.8106 looks on a white background.

Color Contrast Check

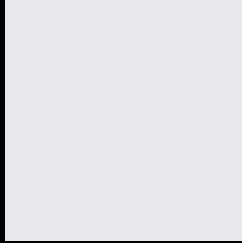
Large Text (above 18pt) WCAG AA × Fail

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 76.9949, 80.3638, 90.8106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

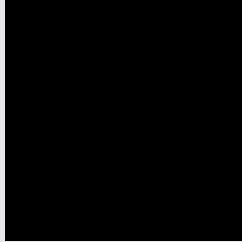
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

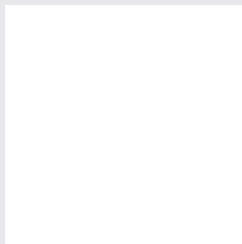
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.9949, 80.3638, 90.8106

Background



This preview shows how black text looks on a background with the XYZ color 76.9949, 80.3638, 90.8106.



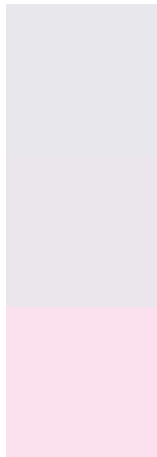
This preview shows how white text looks on a background with the XYZ color 76.9949, 80.3638,

90.8106.

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

76.9949, 80.3638, 90.8106

Protanopia

77.3688, 80.1422, 90.7481

Deuteranopia

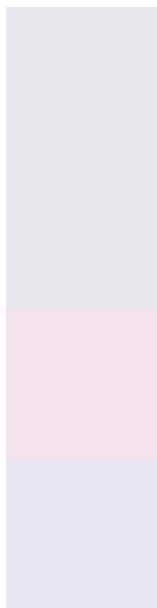
81.7254, 79.9350, 91.2424



Tritanopia

78.7395, 80.2464, 99.3348

Trichromacy



Original Color

76.9949, 80.3638, 90.8106

Protanomaly

77.0414, 79.9734, 90.7328

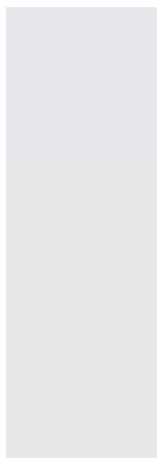
Deuteranomaly

80.0634, 80.2857, 91.3977

Tritanomaly

78.0787, 80.3883, 96.1953

Monochromacy



Original Color

76.9949, 80.3638, 90.8106

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.8433, 80.7522, 88.6275

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.9949, 80.3638, 90.8106 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, 231, 236) looks like.

```
.text, #text, p{  
    color:rgb(232, 231, 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(232, 231, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 231, 236) }
```

Border

The CSS property to change the border of an element to XYZ 76.9949, 80.3638, 90.8106 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, 231, 236) }
```


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

```
.border{ border-color:rgb(232, 231, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 231, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 231, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 231, 236);  
box-shadow:4px 4px 4px 4px rgb(232, 231,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 76.9949, 80.3638, 90.8106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 231, 236) }
```

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

```
.background{ background-color: rgb(232,  
231, 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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