

Converting Colors

XYZ(76.8070, 80.7003, 90.1258)

Have a look what the booklet for
XYZ(76.8070, 80.7003, 90.1258)
contains.

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Color

**XYZ(76.8070, 80.7003,
90.1258)**

Conversions

Conversions Part 1

Format	Color
Hex	E7E8EB
RGB	231, 232, 235
RGB Percent	91%, 91%, 92%
CMY	0.0941, 0.0902, 0.0784
CMYK	0.02, 0.01, 0.00, 0.08
HSL	225°, 9%, 91%
HSV	225°, 2%, 92%
XYZ	76.8070, 80.7003, 90.1258
YIQ	232.0430, -1.5590, 0.7210

Conversions

Conversions Part 2

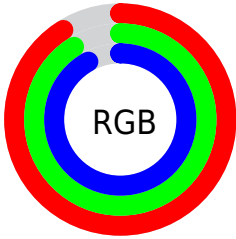
Format	Color
R_{YB}	231, 232, 235
Decimal	15198443
CIE Lab	92.00, 0.21, -1.58
CIE LCh	92, 1.595, 277.562
Yxy	80.7003, 0.3102, 0.3259
Android (android.graphics.Color)	4293388523 (0xFFE7E8EB)
YUV	232.0430, 1.4578, -0.9147
Hunter-Lab	89.8333, -4.5919, 3.4003

Details

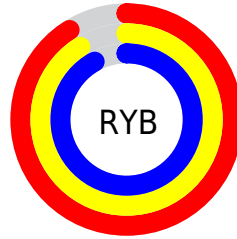
The XYZ color **76.8070, 80.7003, 90.1258** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **78.1077, 82.2764, 87.3667**, and the grayscale version is **76.7262, 80.7219, 87.9062**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.3412, 43.4193, 48.8497** is the 20% darker color. If you saturate the color by 10%, you get **65.0168, 67.6334, 88.2263**, and if you desaturate by 10%, it is **90.1164, 95.2916, 92.2419**.

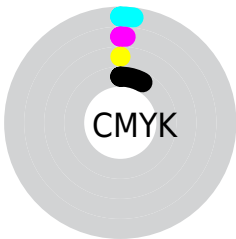
Distribution



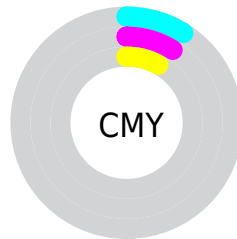
- Red (91%)
- Green (91%)
- Blue (92%)



- Red (91%)
- Yellow (91%)
- Blue (92%)



- Cyan (2%)
- Magenta (1%)
- Yellow (0%)
- Black (8%)



- Cyan (9%)
- Magenta (9%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.8070, 80.7003, 90.1258 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 76.8070, 80.7003, 90.1258 by changing the saturation by 10% instead.

■ 76.8070, 80.7003,
90.1258

■ 76.8070, 80.7003,
90.1258

473.0078,
497.2898, 549.0206

■ 57.3939, 60.2948,
67.5107

127.8413,
134.3499, 149.4502

■ 41.5629, 43.6563,
49.0356

160.1932,
168.3627, 186.9965

■ 28.9488, 30.4004,
34.2819

197.5886,
207.6802, 230.3570

■ 19.1862, 20.1427,
22.8311

240.3931,
252.6866, 279.9502

■ 11.9097, 12.4988,
14.2647

288.9719,
303.7663, 336.1946

■ 6.7540, 7.0843,
8.1642

343.6904,

■ 3.3537, 3.5149,

361.3039, 399.5088

4.1109

404.9139,
425.6835, 470.3113

■ 1.3434, 1.4061,
1.6864

■ 0.2154, 0.2212,
0.3514

■ 76.8070, 80.7003,
90.1258

■ 76.8070, 80.7003,
90.1258

■ 65.0168, 67.6334,
88.2263

■ 90.1164, 95.2916,
92.2419

■ 54.6841, 56.0308,
86.5313

■ 91.9956, 98.7783,
92.8159

■ 45.7531, 45.8434,
85.0357

■ 38.1616, 37.0153,
83.7318

■ 31.8426, 29.4869,
82.6117

■ 26.7231, 23.1939,
81.6669

■ 22.7224, 18.0663,
80.8880

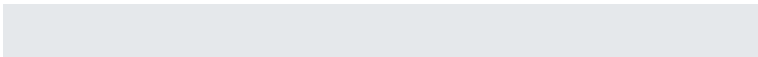
■ 19.7490, 14.0260,
80.2649

■ 17.6952, 10.9840,
79.7860

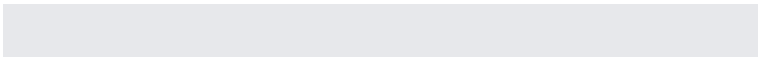
Harmonies

Analogous

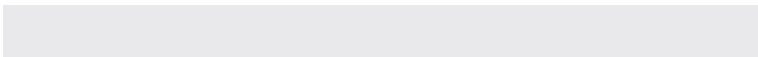
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.4028, 80.7003, 89.9720



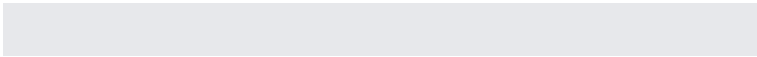
76.8070, 80.7003, 90.1258



77.1848, 80.7003, 89.6706

Triad

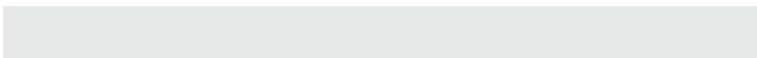
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.8070, 80.7003, 90.1258



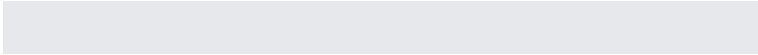
77.3297, 80.7003, 86.4999



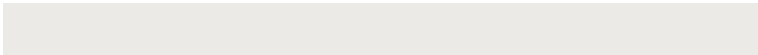
75.9769, 80.7003, 87.0101

Complementary

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



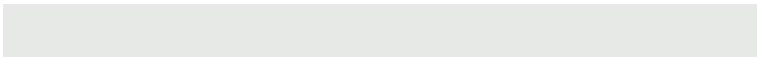
76.8070, 80.7003, 90.1258



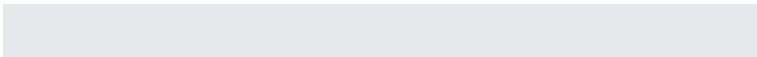
78.1077, 82.2764, 87.3667

Split Complementary

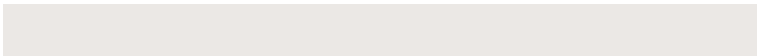
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.2237, 80.7003, 86.0916



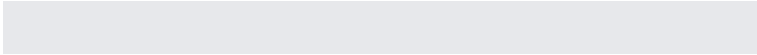
76.8070, 80.7003, 90.1258



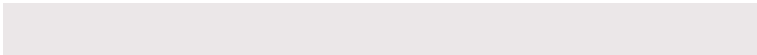
77.0045, 80.7003, 85.7988

Square

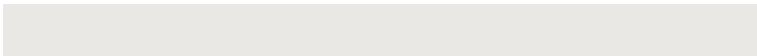
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



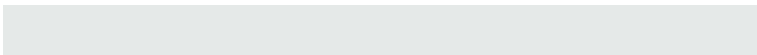
76.8070, 80.7003, 90.1258



77.4873, 80.7003, 87.5721



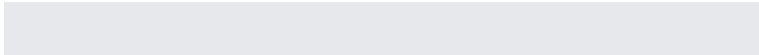
76.5995, 80.7003, 85.6500



75.9245, 80.7003, 88.1663

Rectangle

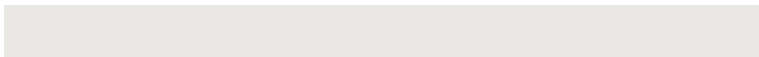
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.8070, 80.7003, 90.1258



77.3704, 80.7003, 89.0853



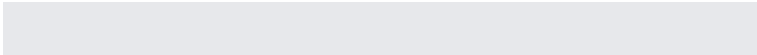
76.5995, 80.7003, 85.6500



76.0399, 80.7003, 86.6636

Sweetspot

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



76.8093, 80.7038, 90.1276



93.5117, 98.3069, 108.6543



77.5062, 82.3435, 89.6018



20.0316, 21.0596, 23.2591



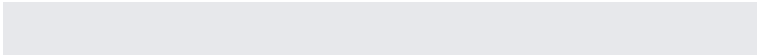
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

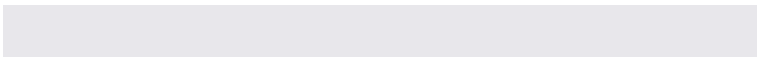
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.8093, 80.7038, 90.1276



91.9919, 96.6324, 108.4112



76.8296, 80.2959, 90.0478



16.4856, 17.3188, 19.3962



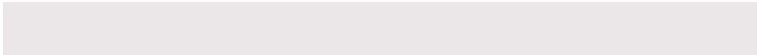
9.3008, 5.2486, 44.2658



0.8049, 0.5613, 3.5008

Inverse Universe

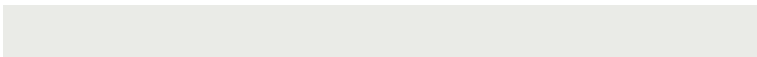
The Inverse Universe completely reimagines the original color for something new.



77.4041, 80.6417, 87.8338



92.8355, 96.5455, 105.1578



78.0869, 82.6912, 87.4479



16.6278, 17.3040, 18.8475



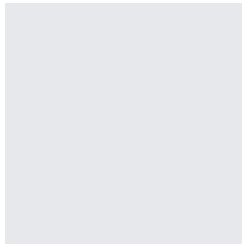
19.5499, 10.0227, 3.4312



1.5728, 0.8021, 0.4677

Previews

White Background



This preview shows how the XYZ color 76.8070, 80.7003, 90.1258 looks on a white background.

Color Contrast Check

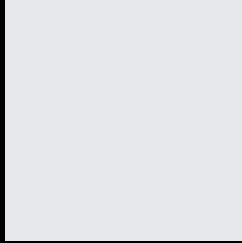
Large Text (above 18pt) WCAG AA × Fail

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 76.8070, 80.7003, 90.1258 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

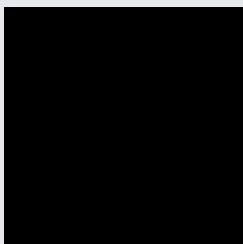
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

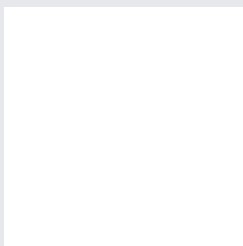
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.8070, 80.7003, 90.1258

Background



This preview shows how black text looks on a background with the XYZ color 76.8070, 80.7003, 90.1258.



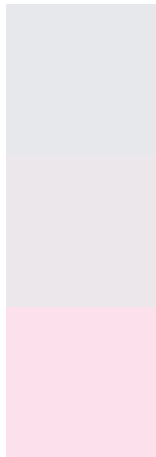
This preview shows how white text looks on a background with the XYZ color 76.8070, 80.7003,

90.1258.

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

76.8070, 80.7003, 90.1258

Protanopia

77.6881, 80.7545, 89.3345

Deuteranopia

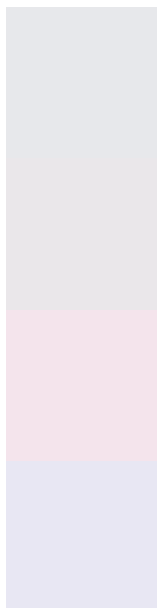
82.2104, 80.6020, 90.5817



Tritanopia

78.8444, 80.6946, 100.2270

Trichromacy



Original Color

76.8070, 80.7003, 90.1258

Protanomaly

77.3589, 80.5848, 89.3191

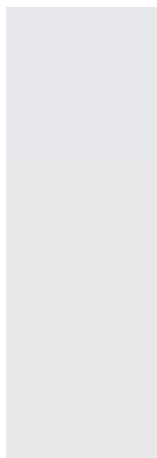
Deuteranomaly

80.1920, 80.7760, 90.7216

Tritanomaly

78.0323, 80.7787, 96.2731

Monochromacy



Original Color

76.8070, 80.7003, 90.1258

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 76.8070, 80.7003, 90.1258 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(231, 232, 235) looks like.

```
.text, #text, p{  
    color:rgb(231, 232, 235)  
}
```

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(231, 232, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 232, 235) }
```

Border

The CSS property to change the border of an element to XYZ 76.8070, 80.7003, 90.1258 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(231, 232, 235) }
```


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

```
.border{ border-color:rgb(231, 232, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 232, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 232, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 232, 235);  
box-shadow:4px 4px 4px 4px rgb(231, 232,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 76.8070, 80.7003, 90.1258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 232, 235) }
```

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

```
.background{ background-color: rgb(231,  
232, 235) }
```

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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