

Converting Colors

XYZ(76.8354, 81.2897, 88.4811)

Have a look what the booklet for
XYZ(76.8354, 81.2897, 88.4811)
contains.

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Color

**XYZ(76.8019, 81.1499,
88.7064)**

Conversions

Conversions Part 1

Format	Color
Hex	E7E9E9
RGB	231, 233, 233
RGB Percent	91%, 91%, 91%
CMY	0.0941, 0.0863, 0.0863
CMYK	0.01, 0.00, 0.00, 0.09
HSL	180°, 4%, 91%
HSV	180°, 1%, 91%
XYZ	76.8019, 81.1499, 88.7064
YIQ	232.4020, -1.1920, -0.4240

Conversions

Conversions Part 2

Format	Color
R _Y B	231, 232, 233
Decimal	15198697
CIE Lab	92.20, -0.66, -0.24
CIE LCh	92, 0.707, 200.238
Yxy	81.1499, 0.3114, 0.3290
Android (android.graphics.Color)	4293388777 (0xFFE7E9E9)
YUV	232.4020, 0.2948, -1.2296
Hunter-Lab	90.0832, -5.4627, 4.6745

Details

The XYZ color **76.8019, 81.1499, 88.7064** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.6070, 80.2472, 87.0570**, and the grayscale version is **77.0034, 81.0135, 88.2237**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.3371, 43.7326, 47.8575** is the 20% darker color. If you saturate the color by 10%, you get **69.7709, 77.5283, 88.3463**, and if you desaturate by 10%, it is **84.8387, 85.2946, 89.1169**.

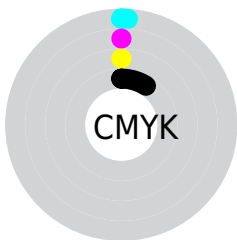
Distribution



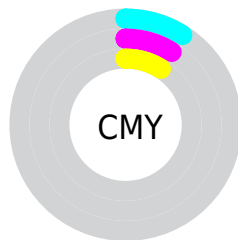
- Red (91%)
- Green (91%)
- Blue (91%)



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



- Cyan (1%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.8019, 81.1499, 88.7064 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 76.8019, 81.1499, 88.7064 by changing the saturation by 10% instead.

■ 76.8019, 81.1499,
88.7064

■ 76.8019, 81.1499,
88.7064

472.9906,
498.7997, 544.2749

■ 57.3897, 60.6651,
66.3406

127.8341,
134.9812, 147.4600

■ 41.5595, 43.9549,
48.0907

160.1848,
169.0965, 184.6848

■ 28.9461, 30.6351,
33.5382

197.5791,
208.5241, 227.6998

■ 19.1842, 20.3211,
22.2646

240.3822,
253.6483, 276.9234

■ 11.9082, 12.6287,
13.8513

288.9595,
304.8535, 332.7742

■ 6.7530, 7.1734,
7.8797

343.6765,

■ 3.3530, 3.5708,

362.5243, 395.6706

3.9314

404.8984,
427.0449, 466.0314

■ 1.3431, 1.4365,
1.5878

■ 0.2151, 0.2434,
0.2821

■ 76.8019, 81.1499,
88.7064

■ 76.8019, 81.1499,
88.7064

■ 69.7709, 77.5283,
88.3463

■ 84.8387, 85.2946,
89.1169

■ 63.6994, 74.3991,
88.0295

■ 85.1012, 85.4292,
89.1619

■ 58.5480, 71.7441,
87.7557

■ 85.1075, 85.4317,
89.1949

■ 54.2717, 69.5403,
87.5229

■ 85.1137, 85.4342,
89.2280

■ 50.8219, 67.7626,
87.3288

■ 85.1200, 85.4367,
89.2610

■ 48.1451, 66.3834,
87.1708

■ 85.1263, 85.4392,
89.2941

■ 46.1816, 65.3719,
87.0463

■ 85.1326, 85.4417,
89.3271

■ 44.8631, 64.6929,
86.9519

■ 85.1388, 85.4442,
89.3602

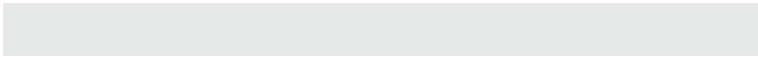
■ 44.1079, 64.3043,
86.8839

■ 85.1451, 85.4468,
89.3933

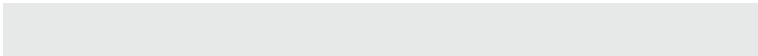
Harmonies

Analogous

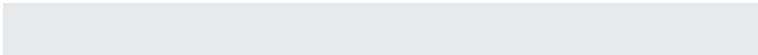
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.7854, 81.1499, 88.1882



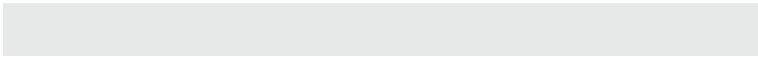
76.8019, 81.1499, 88.7064



76.9064, 81.1499, 89.1329

Triad

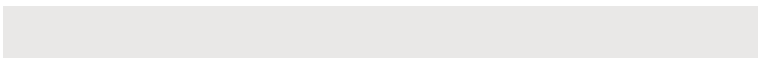
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.8019, 81.1499, 88.7064



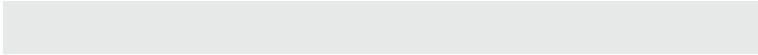
77.4005, 81.1499, 89.0025



77.1900, 81.1499, 87.3721

Complementary

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



76.8019, 81.1499, 88.7064



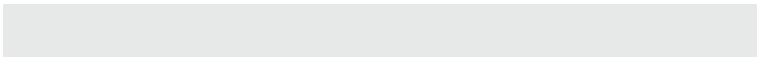
76.6070, 80.2472, 87.0570

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.



77.3551, 81.1499, 87.5885



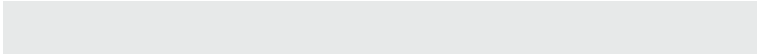
76.8019, 81.1499, 88.7064



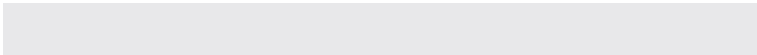
77.4768, 81.1499, 88.5289

Square

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



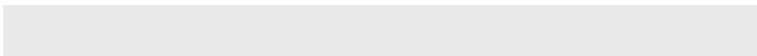
76.8019, 81.1499, 88.7064



77.2519, 81.1499, 89.3044



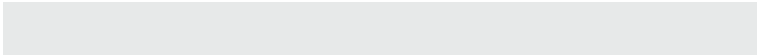
77.4601, 81.1499, 88.0114



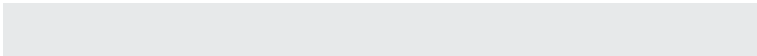
77.0093, 81.1499, 87.4192

Rectangle

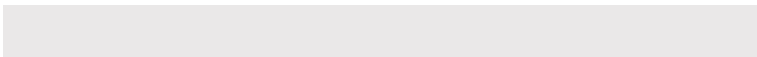
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



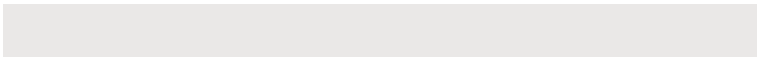
76.8019, 81.1499, 88.7064



77.0120, 81.1499, 89.3072



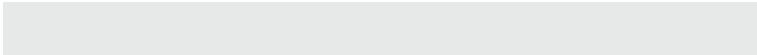
77.4601, 81.1499, 88.0114



77.2492, 81.1499, 87.4164

Sweetspot

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



76.8042, 81.1534, 88.7082

95.0500, 100.0000, 108.9000



76.5308, 81.0453, 87.2123



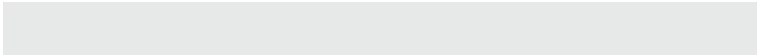
20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

Same Dimension

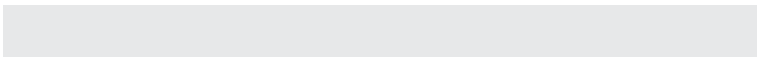
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.8042, 81.1534, 88.7082



94.1173, 99.5193, 108.8523



76.5313, 80.6067, 88.6199



16.8441, 17.8057, 19.4706



24.8447, 36.3924, 49.2748



1.9513, 2.8578, 3.8714

Inverse Universe

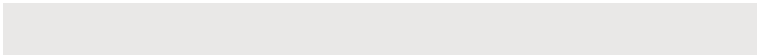
The Inverse Universe completely reimagines the original color for something new.



76.6070, 80.2472, 87.0570



93.8348, 98.2209, 106.4867



76.8783, 80.7906, 87.1448



16.7964, 17.5868, 19.0717



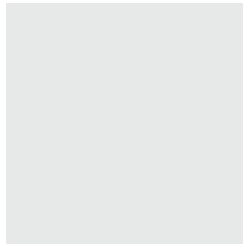
19.0697, 9.8305, 0.9022



1.4978, 0.7721, 0.0730

Previews

White Background



This preview shows how the XYZ color 76.8019, 81.1499, 88.7064 looks on a white background.

Color Contrast Check

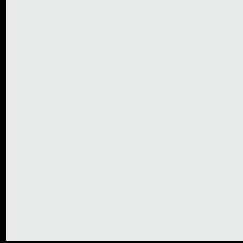
Large Text (above 18pt) WCAG AA × Fail

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 76.8019, 81.1499, 88.7064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

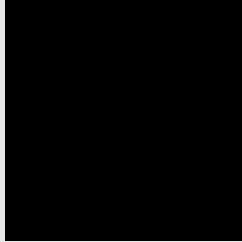
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

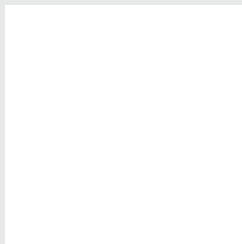
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.8019, 81.1499, 88.7064

Background



This preview shows how black text looks on a background with the XYZ color 76.8019, 81.1499, 88.7064.



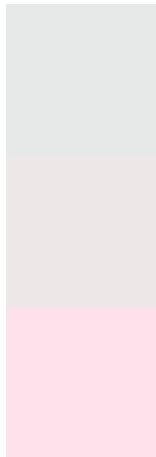
This preview shows how white text looks on a background with the XYZ color 76.8019, 81.1499,

88.7064.

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

76.8019, 81.1499, 88.7064

Protanopia

78.0665, 80.9825, 87.8606

Deuteranopia

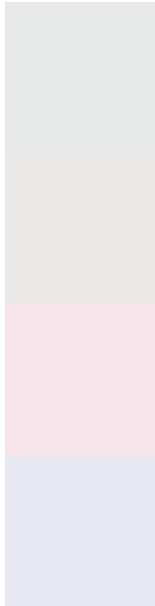
82.7937, 80.9194, 89.8526



Tritanopia

79.2791, 81.3150, 101.1394

Trichromacy



Original Color

76.8019, 81.1499, 88.7064

Protanomaly

77.6831, 81.2016, 87.9231

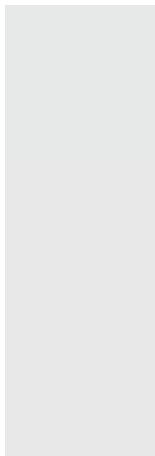
Deuteranomaly

80.6007, 81.0201, 89.2322

Tritanomaly

78.3130, 81.3401, 96.3667

Monochromacy



Original Color

76.8019, 81.1499, 88.7064

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.7008, 80.6952, 87.8771

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.8019, 81.1499, 88.7064 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, 233, 233) looks like.

```
.text, #text, p{  
    color:rgb(231, 233, 233)  
}
```

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, 233, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 233, 233) }
```

Border

The CSS property to change the border of an element to XYZ 76.8019, 81.1499, 88.7064 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, 233, 233) }
```

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

```
.border{ border-color:rgb(231, 233, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 233, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 233, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 233, 233);  
box-shadow:4px 4px 4px 4px rgb(231, 233,  
233) }
```


Background

The CSS property to change the background color of an element to XYZ 76.8019, 81.1499, 88.7064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 233, 233) }
```

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

```
.background{ background-color: rgb(231,  
233, 233) }
```

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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