

Converting Colors

XYZ(76.0070, 80.7044, 88.5959)

Have a look what the booklet for
XYZ(76.0070, 80.7044, 88.5959)
contains.

| | |
|--|----|
| XYZ(76.1600, 80.8190, 88.6764) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(76.1600, 80.8190,
88.6764)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | E5E9E9 |
| RGB | 229, 233, 233 |
| RGB Percent | 90%, 91%, 91% |
| CMY | 0.1020, 0.0863, 0.0863 |
| CMYK | 0.02, 0.00, 0.00, 0.09 |
| HSL | 180°, 8%, 91% |
| HSV | 180°, 2%, 91% |
| XYZ | 76.1600, 80.8190, 88.6764 |
| YIQ | 231.8040, -2.3840, -0.8480 |

Conversions

Conversions Part 2

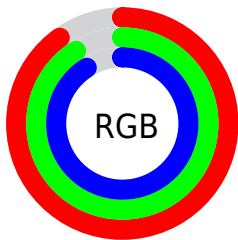
| Format | Color |
|-------------------------------------|------------------------------|
| R _Y B | 229, 231, 233 |
| Decimal | 15067625 |
| CIE Lab | 92.05, -1.33, -0.48 |
| CIE LCh | 92, 1.413, 199.750 |
| Yxy | 80.8190, 0.3100, 0.3290 |
| Android (android.graphics.Color) | 4293257705 (0xFFE5E9E9) |
| YUV | 231.8040, 0.5896, -2.4591 |
| Hunter-Lab | 89.8994, -6.1042, 4.4462 |

Details

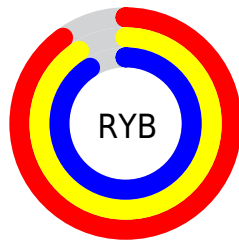
The XYZ color **76.1600, 80.8190, 88.6764** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.7694, 79.0215, 85.3919**, and the grayscale version is **76.5541, 80.5409, 87.7091**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.1135, 43.6173, 47.8470** is the 20% darker color. If you saturate the color by 10%, you get **69.2163, 77.2420, 88.3370**, and if you desaturate by 10%, it is **84.1062, 84.9173, 89.0660**.

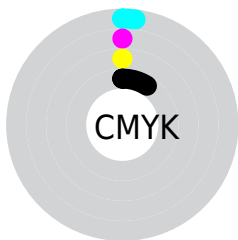
Distribution



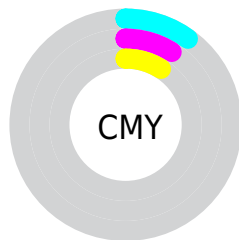
- Red (90%)
- Green (91%)
- Blue (91%)



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



- Cyan (2%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.1600, 80.8190, 88.6764 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 76.1600, 80.8190, 88.6764 by changing the saturation by 10% instead.

■ 76.1600, 80.8190,
88.6764

■ 76.1600, 80.8190,
88.6764

470.8312,
497.6886, 544.1744

■ 56.8612, 60.3925,
66.3159

126.9322,
134.5166, 147.4179

■ 41.1335, 43.7351,
48.0708

159.1363,
168.5565, 184.6359

■ 28.6116, 30.4623,
33.5225

196.3730,
207.9030, 227.6436

■ 18.9300, 20.1898,
22.2527

239.0075,
252.9406, 276.8593

■ 11.7234, 12.5331,
13.8426

287.4052,
304.0535, 332.7017

■ 6.6265, 7.1078,
7.8738

341.9315,

■ 3.2739, 3.5296,

361.6262, 395.5893

3.9277

402.9517,
426.0432, 465.9407

■ 1.3002, 1.4141,
1.5857

■ 0.1834, 0.2271,
0.2806

■ 76.1600, 80.8190,
88.6764

■ 76.1600, 80.8190,
88.6764

■ 69.2163, 77.2420,
88.3370

■ 84.1062, 84.9173,
89.0660

■ 63.2287, 74.1556,
88.0407


■ 85.0948, 85.4266,
89.1284


■ 58.1573, 71.5416,
87.7873


■ 85.0979, 85.4279,
89.1446


■ 53.9571, 69.3767,
87.5746


■ 85.1010, 85.4291,
89.1609


 50.5790, 67.6356,
87.4004


 85.1041, 85.4303,
89.1771


 47.9691, 66.2904,
87.2622


 85.1072, 85.4316,
89.1934


 46.0670, 65.3102,
87.1571

 85.1103, 85.4328,
89.2096

 44.8035, 64.6592,
87.0819

 85.1133, 85.4340,
89.2259

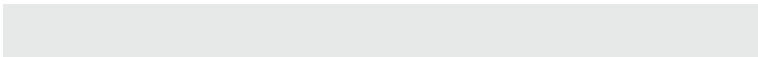
 44.0953, 64.2945,
87.0327

 85.1164, 85.4353,
89.2422

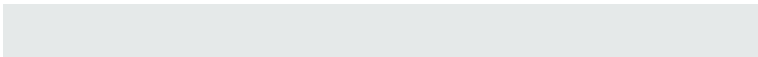
Harmonies

Analogous

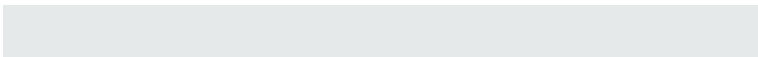
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.1302, 80.8190, 87.6424



76.1600, 80.8190, 88.6764



76.3653, 80.8190, 89.5350

Triad

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



76.1600, 80.8190, 88.6764



77.3508, 80.8190, 89.2980



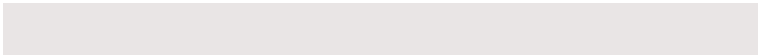
76.9405, 80.8190, 86.0428

Complementary

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



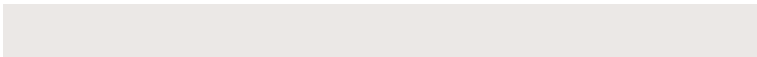
76.1600, 80.8190, 88.6764



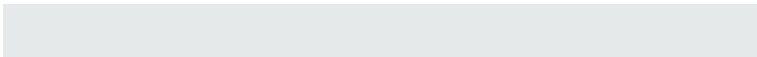
75.7694, 79.0215, 85.3919

Split Complementary

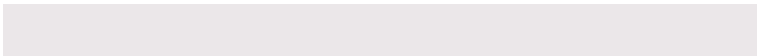
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.2686, 80.8190, 86.4790



76.1600, 80.8190, 88.6764



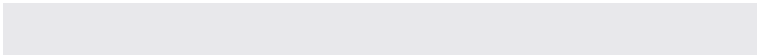
77.5060, 80.8190, 88.3549

Square

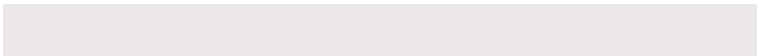
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



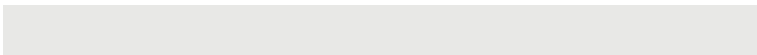
76.1600, 80.8190, 88.6764



77.0525, 80.8190, 89.8958



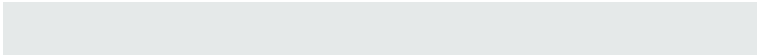
77.4758, 80.8190, 87.3234



76.5801, 80.8190, 86.1274

Rectangle

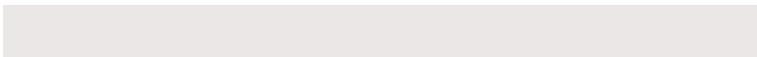
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



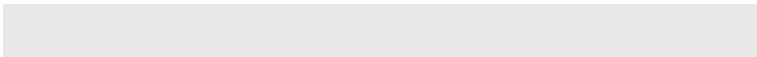
76.1600, 80.8190, 88.6764



76.5743, 80.8190, 89.8898



77.4758, 80.8190, 87.3234



77.0582, 80.8190, 86.1332

Sweetspot

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



76.1623, 80.8225, 88.6782



94.1177, 99.5194, 108.8544



75.6185, 80.6074, 85.7032



20.1549, 21.3063, 23.2998



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

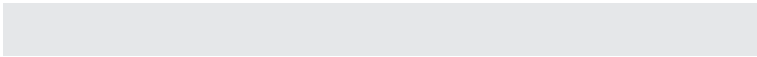
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.1623, 80.8225, 88.6782



93.1978, 99.0452, 108.8093



75.6180, 79.7330, 88.4993



16.6889, 17.7257, 19.4634



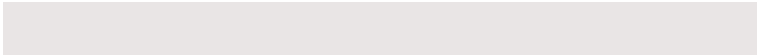
24.8625, 36.3995, 49.3682



1.9525, 2.8583, 3.8776

Inverse Universe

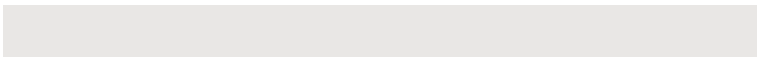
The Inverse Universe completely reimagines the original color for something new.



75.7694, 79.0215, 85.3919



92.6349, 96.4652, 104.1014



76.3074, 80.0982, 85.5686



16.5940, 17.2905, 18.6692



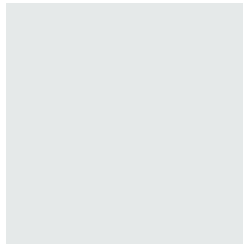
19.0687, 9.8302, 0.8972



1.4976, 0.7720, 0.0715

Previews

White Background



This preview shows how the XYZ color 76.1600, 80.8190, 88.6764 looks on a white background.

Color Contrast Check

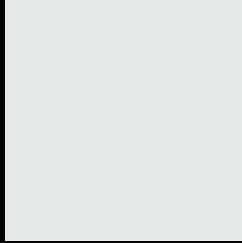
Large Text (above 18pt) WCAG AA × Fail

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 76.1600, 80.8190, 88.6764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

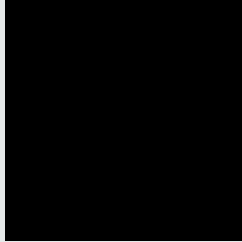
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

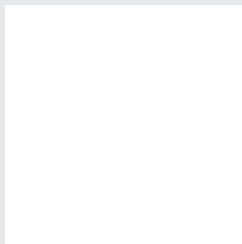
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.1600, 80.8190, 88.6764

Background



This preview shows how black text looks on a background with the XYZ color 76.1600, 80.8190, 88.6764.



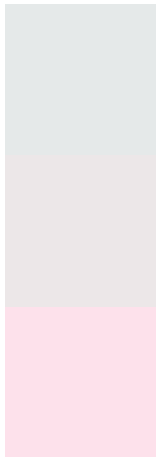
This preview shows how white text looks on a background with the XYZ color 76.1600, 80.8190,

88.6764.

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

76.1600, 80.8190, 88.6764

Protanopia

77.7335, 80.8109, 87.8450

Deuteranopia

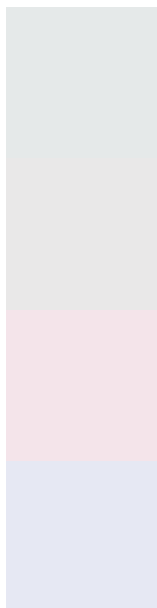
82.4286, 80.7312, 89.8355



Tritanopia

78.6298, 80.9803, 101.1091

Trichromacy



Original Color

76.1600, 80.8190, 88.6764

Protanomaly

77.0264, 80.8631, 87.8923

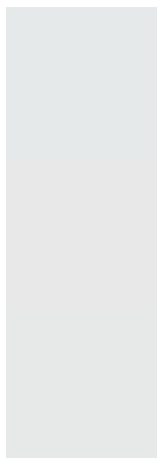
Deuteranomaly

79.9029, 80.6604, 89.1996

Tritanomaly

77.6674, 81.0073, 96.3365

Monochromacy



Original Color

76.1600, 80.8190, 88.6764

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.3771, 80.5283, 87.8620

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.1600, 80.8190, 88.6764 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(229, 233, 233) looks like.

```
.text, #text, p{  
    color:rgb(229, 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(229, 233, 233) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 76.1600, 80.8190, 88.6764 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(229, 233, 233) }
```


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

```
.border{ border-color:rgb(229, 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(229, 233, 233)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 76.1600, 80.8190, 88.6764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(229,  
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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