

Converting Colors

XYZ(76.4816, 80.1587, 86.3037)

Have a look what the booklet for
XYZ(76.4816, 80.1587, 86.3037)
contains.

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Color

**XYZ(76.4631, 80.1886,
86.3108)**

Conversions

Conversions Part 1

Format	Color
Hex	E9E7E6
RGB	233, 231, 230
RGB Percent	91%, 91%, 90%
CMY	0.0863, 0.0941, 0.0980
CMYK	0.00, 0.01, 0.01, 0.09
HSL	20°, 6%, 91%
HSV	20°, 1%, 91%
XYZ	76.4631, 80.1886, 86.3108
YIQ	231.4840, 1.5130, 0.1130

Conversions

Conversions Part 2

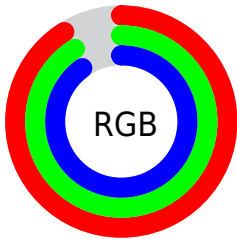
Format	Color
R _Y B	233, 232, 230
Decimal	15329254
CIE Lab	91.77, 0.50, 0.71
CIE LCh	92, 0.871, 54.966
Yxy	80.1886, 0.3147, 0.3300
Android (android.graphics.Color)	4293519334 (0xFFE9E7E6)
YUV	231.4840, -0.7316, 1.3295
Hunter-Lab	89.5481, -4.2920, 5.5371

Details

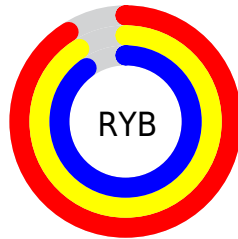
The XYZ color **76.4631, 80.1886, 86.3108** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.1978, 80.4184, 88.5982**, and the grayscale version is **76.3227, 80.2974, 87.4438**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.1993, 43.1022, 46.7056** is the 20% darker color. If you saturate the color by 10%, you get **69.2594, 70.6716, 68.8309**, and if you desaturate by 10%, it is **84.4931, 90.6562, 106.2259**.

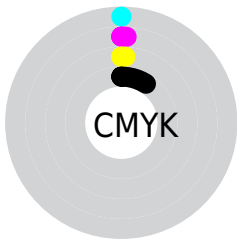
Distribution



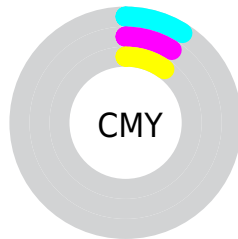
- Red (91%)
- Green (91%)
- Blue (90%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.4631, 80.1886, 86.3108 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 76.4631, 80.1886, 86.3108 by changing the saturation by 10% instead.

■ 76.4631, 80.1886,
86.3108

■ 76.4631, 80.1886,
86.3108

471.8516,
495.5682, 536.2128

■ 57.1107, 59.8736,
64.3686

127.3582,
133.6309, 144.0935

■ 41.3346, 43.3167,
46.5012

159.6316,
167.5269, 180.7711

■ 28.7695, 30.1337,
32.2900

196.9427,
206.7187, 223.1977

■ 19.0499, 19.9401,
21.3165

239.6569,
251.5906, 271.7916

■ 11.8106, 12.3515,
13.1620

288.1395,
302.5272, 326.9716

■ 6.6861, 6.9835,
7.4082

342.7560,

■ 3.3111, 3.4518,

359.9127, 389.1561

3.6364

403.8715,
424.1316, 458.7636

■ 1.3204, 1.3719,
1.4281

■ 0.1984, 0.1959,
0.1635

■ 76.4631, 80.1886,
86.3108

■ 76.4631, 80.1886,
86.3108

■ 69.2594, 70.6716,
68.8309

■ 84.4931, 90.6562,
106.2259

■ 62.8481, 62.0680,
53.6869

■ 87.4148, 96.0639,
108.5427

■ 57.2027, 54.3533,
40.7804

■ 52.2927, 47.4980,
30.0040

■ 48.0855, 41.4710,
21.2414

■ 44.5456, 36.2391,
14.3647

■ 41.6342, 31.7665,
9.2317

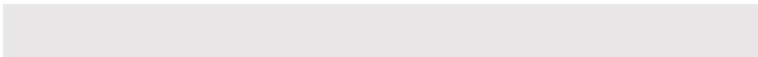
■ 39.3078, 28.0145,
5.6793

■ 37.5159, 24.9399,
3.5125

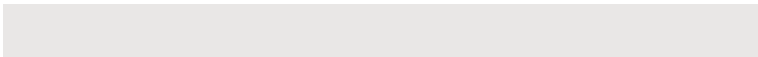
Harmonies

Analogous

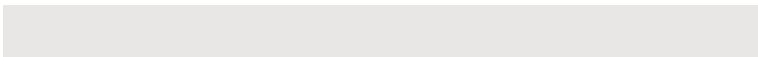
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.6060, 80.1886, 86.7948



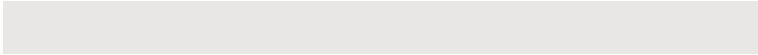
76.4631, 80.1886, 86.3108



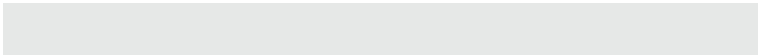
76.2545, 80.1886, 86.0950

Triad

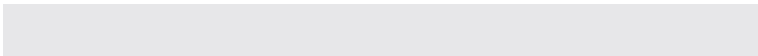
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.4631, 80.1886, 86.3108



75.7908, 80.1886, 87.2041



76.3979, 80.1886, 88.4290

Complementary

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



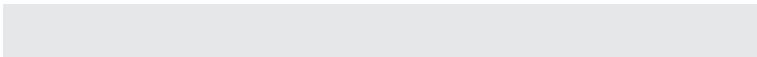
76.4631, 80.1886, 86.3108



76.1978, 80.4184, 88.5982

Split Complementary

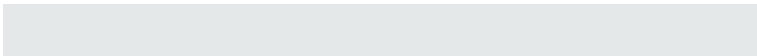
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.1793, 80.1886, 88.5399



76.4631, 80.1886, 86.3108



75.8291, 80.1886, 87.8307

Square

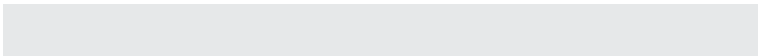
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.4631, 80.1886, 86.3108



75.8665, 80.1886, 86.6092



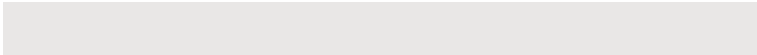
75.9711, 80.1886, 88.3204



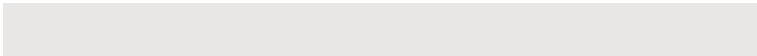
76.5682, 80.1886, 88.0181

Rectangle

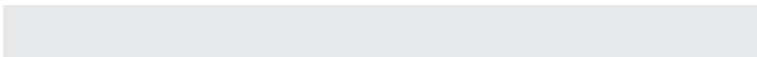
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



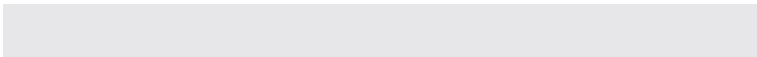
76.4631, 80.1886, 86.3108



76.1063, 80.1886, 86.1316



75.9711, 80.1886, 88.3204



76.3276, 80.1886, 88.5026

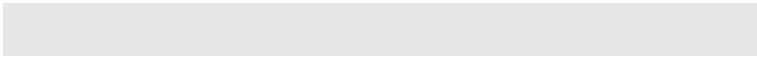
Sweetspot

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



76.4654, 80.1921, 86.3125

95.0500, 100.0000, 108.9000



76.4677, 79.7447, 87.7071



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

Same Dimension

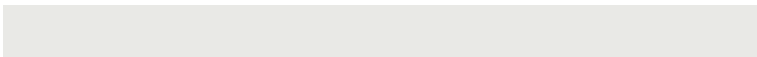
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.4654, 80.1921, 86.3125



93.1667, 97.5299, 104.2750



76.8859, 81.0331, 86.4527



16.6837, 17.4702, 18.6985



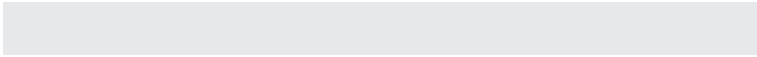
20.7146, 13.1234, 1.4413



1.7123, 1.2019, 0.1417

Inverse Universe

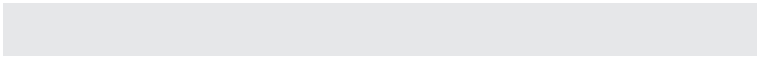
The Inverse Universe completely reimagines the original color for something new.



76.1978, 80.4184, 88.5982



92.6565, 97.9614, 108.6327



75.7784, 79.5797, 88.4584



16.5977, 17.5430, 19.4336



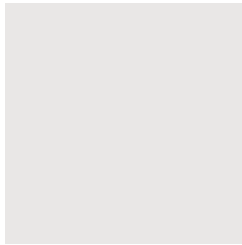
15.1179, 16.8827, 46.2049



1.2751, 1.5016, 3.6575

Previews

White Background



This preview shows how the XYZ color 76.4631, 80.1886, 86.3108 looks on a white background.

Color Contrast Check

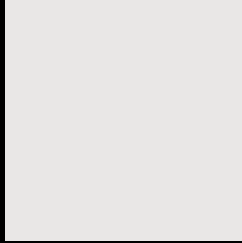
Large Text (above 18pt) WCAG AA × Fail

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 76.4631, 80.1886, 86.3108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

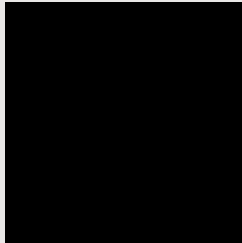
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

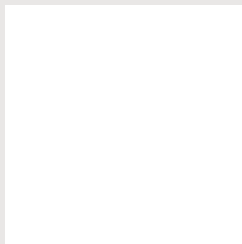
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.4631, 80.1886, 86.3108

Background



This preview shows how black text looks on a background with the XYZ color 76.4631, 80.1886, 86.3108.



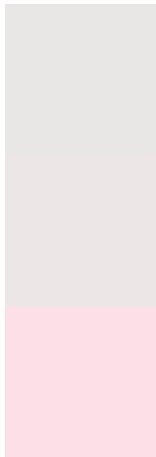
This preview shows how white text looks on a background with the XYZ color 76.4631, 80.1886,

86.3108.

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

76.4631, 80.1886, 86.3108

Protanopia

77.1718, 80.1397, 86.2640

Deuteranopia

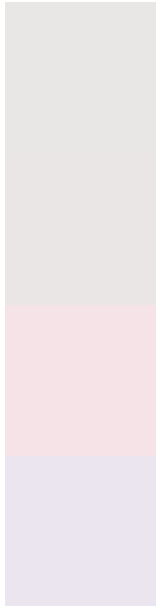
81.5875, 79.9635, 86.7357



Tritanopia

78.9700, 79.9735, 98.4630

Trichromacy



Original Color

76.4631, 80.1886, 86.3108

Protanomaly

76.8407, 79.9690, 86.2485

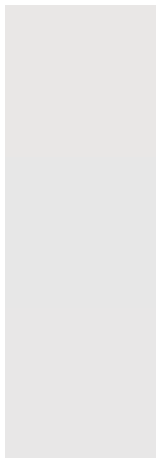
Deuteranomaly

79.8989, 80.3005, 86.8897

Tritanomaly

78.0084, 79.9921, 93.7666

Monochromacy



Original Color

76.4631, 80.1886, 86.3108

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

76.2784, 80.0772, 87.0374

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.4631, 80.1886, 86.3108 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, 231, 230) looks like.

```
.text, #text, p{  
    color:rgb(233, 231, 230)  
}
```

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, 231, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 231, 230) }
```

Border

The CSS property to change the border of an element to XYZ 76.4631, 80.1886, 86.3108 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, 231, 230) }
```

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

```
.border{ border-color:rgb(233, 231, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 231, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 231, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 231, 230);  
box-shadow:4px 4px 4px 4px rgb(233, 231,  
230) }
```


Background

The CSS property to change the background color of an element to XYZ 76.4631, 80.1886, 86.3108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 231, 230) }
```

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

```
.background{ background-color: rgb(233,  
231, 230) }
```

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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