

Converting Colors

XYZ(78.0603, 81.4700, 86.5130)

Have a look what the booklet for
XYZ(78.0603, 81.4700, 86.5130)
contains.

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Color

**XYZ(78.0646, 81.4309,
86.4662)**

Conversions

Conversions Part 1

Format	Color
Hex	EDE8E6
RGB	237, 232, 230
RGB Percent	93%, 91%, 90%
CMY	0.0706, 0.0902, 0.0980
CMYK	0.00, 0.02, 0.03, 0.07
HSL	17°, 16%, 92%
HSV	17°, 3%, 93%
XYZ	78.0646, 81.4309, 86.4662
YIQ	233.2670, 3.6220, 0.4380

Conversions

Conversions Part 2

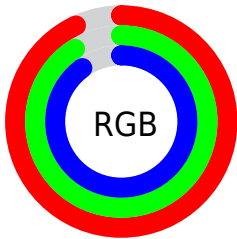
Format	Color
R _Y B	237, 233, 230
Decimal	15591654
CIE Lab	92.32, 1.34, 1.56
CIE LCh	92, 2.052, 49.328
Yxy	81.4309, 0.3174, 0.3311
Android (android.graphics.Color)	4293781734 (0xFFE8E6)
YUV	233.2670, -1.6106, 3.2738
Hunter-Lab	90.2391, -3.5004, 6.3562

Details

The XYZ color **78.0646, 81.4309, 86.4662** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **77.6275, 82.3530, 91.9262**, and the grayscale version is **77.6650, 81.7096, 88.9818**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.3193, 43.9696, 46.8140** is the 20% darker color. If you saturate the color by 10%, you get **70.4263, 71.1227, 68.6009**, and if you desaturate by 10%, it is **86.6184, 92.8438, 106.8711**.

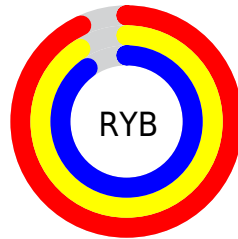
Distribution



Red (93%)

Green (91%)

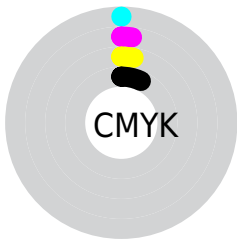
Blue (90%)



Red (93%)

Yellow (91%)

Blue (90%)

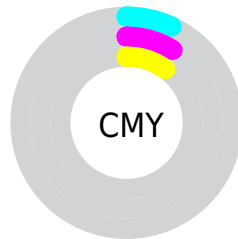


Cyan (0%)

Magenta (2%)

Yellow (3%)

Black (7%)



Cyan (7%)

Magenta (9%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.0646, 81.4309, 86.4662 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 78.0646, 81.4309, 86.4662 by changing the saturation by 10% instead.

■ 78.0646, 81.4309,
86.4662

■ 78.0646, 81.4309,
86.4662

477.2226,
499.7421, 536.7378

■ 58.4300, 60.8965,
64.4964

129.6061,
135.3756, 144.3122

■ 42.3991, 44.1417,
46.6041

162.2437,
169.5548, 181.0255

■ 29.6064, 30.7819,
32.3707

199.9463,
209.0511, 223.4904

■ 19.6866, 20.4328,
21.3777

243.0793,
254.2488, 272.1254

■ 12.2744, 12.7101,
13.2064

292.0081,
305.5323, 327.3491

■ 7.0043, 7.2292,
7.4384

347.0981,

■ 3.5112, 3.6059,

363.2861, 389.5801

3.6552

408.7144,
427.8946, 459.2368

■ 1.4295, 1.4556,
1.4382

■ 0.2771, 0.2572,
0.1712

■ 78.0646, 81.4309,
86.4662

■ 78.0646, 81.4309,
86.4662

■ 70.4263, 71.1227,
68.6009

■ 86.6184, 92.8438,
106.8711

■ 63.6656, 61.8755,
53.1701

■ 88.7355, 96.7448,
108.6045

■ 57.7518, 53.6583,
40.0692

■ 52.6502, 46.4344,
29.1837

■ 48.3232, 40.1650,
20.3897

■ 44.7301, 34.8087,
13.5505

■ 41.8261, 30.3207,
8.5135

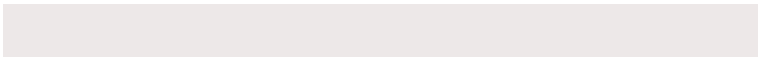
■ 39.5610, 26.6520,
5.1026

■ 37.8762, 23.7480,
3.1056

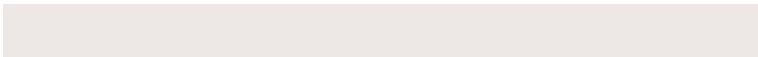
Harmonies

Analogous

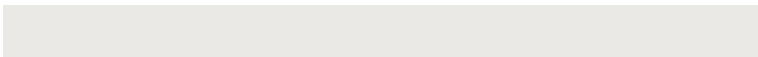
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.3646, 81.4309, 87.7006



78.0646, 81.4309, 86.4662



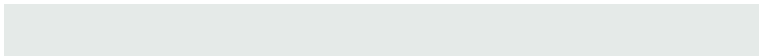
77.5868, 81.4309, 85.8233

Triad

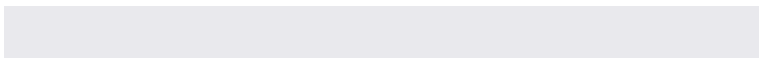
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.0646, 81.4309, 86.4662



76.3991, 81.4309, 88.1243



77.7359, 81.4309, 91.4509

Complementary

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



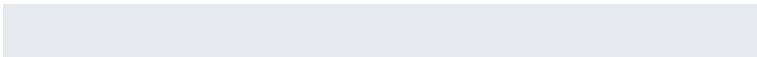
78.0646, 81.4309, 86.4662



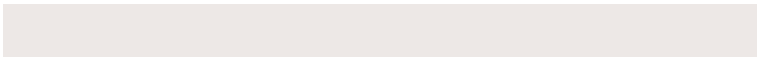
77.6275, 82.3530, 91.9262

Split Complementary

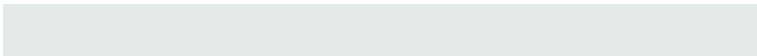
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.2088, 81.4309, 91.5675



78.0646, 81.4309, 86.4662



76.4387, 81.4309, 89.6352

Square

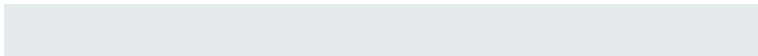
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.0646, 81.4309, 86.4662



76.6262, 81.4309, 86.7733



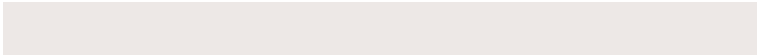
76.7345, 81.4309, 90.8996



78.1742, 81.4309, 90.5828

Rectangle

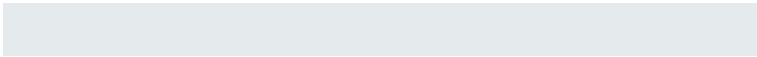
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



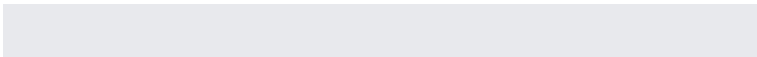
78.0646, 81.4309, 86.4662



77.2323, 81.4309, 85.8117



76.7345, 81.4309, 90.8996



77.5632, 81.4309, 91.5797

Sweetspot

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



78.0669, 81.4344, 86.4680



94.0642, 98.6811, 106.5594



78.2208, 80.5985, 90.0454



20.1440, 21.1357, 22.8328



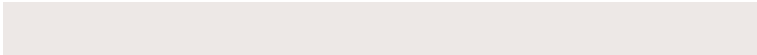
0.0000, 0.0000, 0.0000



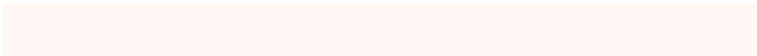
20.3446, 21.4041, 23.3091

Same Dimension

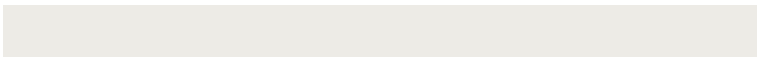
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.0669, 81.4344, 86.4680



91.1723, 94.8032, 99.7198



79.0560, 83.4127, 86.7977



16.1876, 16.7958, 17.5535



20.2883, 12.2709, 1.2992



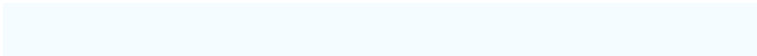
1.6728, 1.1229, 0.1286

Inverse Universe

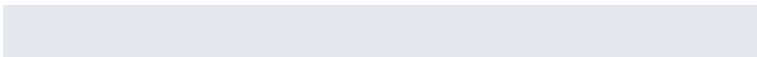
The Inverse Universe completely reimagines the original color for something new.



77.6275, 82.3530, 91.9262



90.4719, 96.2675, 108.4208



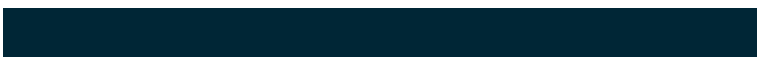
76.6411, 80.3802, 91.5974



16.0408, 17.1028, 19.3780



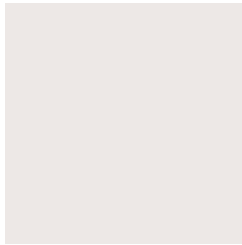
16.2246, 19.0961, 46.5738



1.3555, 1.6624, 3.6843

Previews

White Background



This preview shows how the XYZ color 78.0646, 81.4309, 86.4662 looks on a white background.

Color Contrast Check

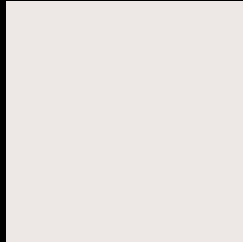
Large Text (above 18pt) WCAG AA × Fail

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 78.0646, 81.4309, 86.4662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

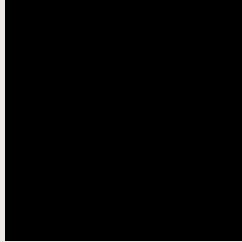
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

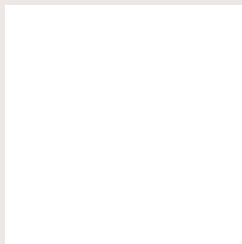
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.0646, 81.4309, 86.4662

Background



This preview shows how black text looks on a background with the XYZ color 78.0646, 81.4309, 86.4662.



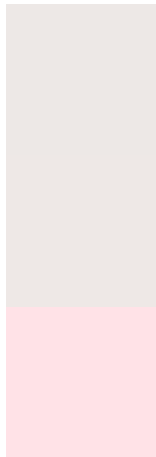
This preview shows how white text looks on a background with the XYZ color 78.0646, 81.4309,

86.4662.

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

78.0646, 81.4309, 86.4662

Protanopia

78.3994, 81.6035, 86.4819

Deuteranopia

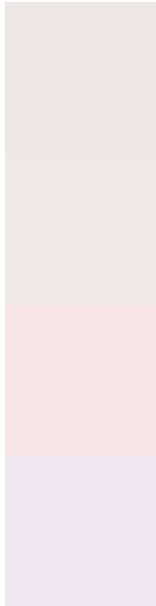
82.8602, 81.4222, 86.9502



Tritanopia

80.7430, 81.2793, 99.4285

Trichromacy



Original Color

78.0646, 81.4309, 86.4662

Protanomaly

78.3994, 81.6035, 86.4819

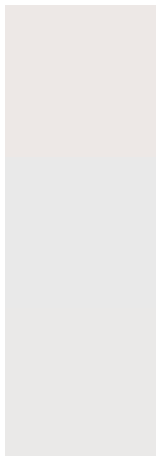
Deuteranomaly

80.8786, 81.2128, 87.0142

Tritanomaly

79.7706, 81.2952, 94.7063

Monochromacy



Original Color

78.0646, 81.4309, 86.4662

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.6361, 81.5964, 88.0018

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.0646, 81.4309, 86.4662 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(237, 232, 230) looks like.

```
.text, #text, p{  
    color:rgb(237, 232, 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(237, 232, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 232, 230) }
```

Border

The CSS property to change the border of an element to XYZ 78.0646, 81.4309, 86.4662 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(237, 232, 230) }
```


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

```
.border{ border-color:rgb(237, 232, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 232, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 232, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 232, 230);  
box-shadow:4px 4px 4px 4px rgb(237, 232,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 78.0646, 81.4309, 86.4662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 232, 230) }
```

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

```
.background{ background-color: rgb(237,  
232, 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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