

Converting Colors

XYZ(78.2870, 83.2217, 86.9851)

Have a look what the booklet for
XYZ(78.2870, 83.2217, 86.9851)
contains.

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Color

**XYZ(78.2101, 83.1965,
86.7993)**

Conversions

Conversions Part 1

Format	Color
Hex	EAECE6
RGB	234, 236, 230
RGB Percent	92%, 93%, 90%
CMY	0.0823, 0.0745, 0.0980
CMYK	0.01, 0.00, 0.03, 0.07
HSL	80°, 14%, 91%
HSV	80°, 3%, 93%
XYZ	78.2101, 83.1965, 86.7993
YIQ	234.7180, 0.7340, -2.2900

Conversions

Conversions Part 2

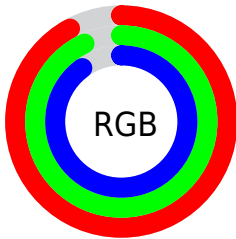
Format	Color
R _Y B	230, 236, 232
Decimal	15396070
CIE Lab	93.10, -1.72, 2.66
CIE LCh	93, 3.168, 122.933
Yxy	83.1965, 0.3151, 0.3352
Android (android.graphics.Color)	4293586150 (0xFFEAECE6)
YUV	234.7180, -2.3260, -0.6297
Hunter-Lab	91.2121, -6.5658, 7.4269

Details

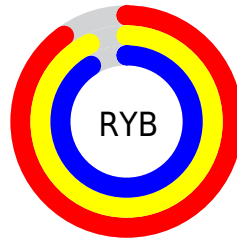
The XYZ color **78.2101, 83.1965, 86.7993** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **76.7189, 79.8077, 90.7220**, and the grayscale version is **78.7700, 82.8721, 90.2478**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.4192, 45.2026, 47.0467** is the 20% darker color. If you saturate the color by 10%, you get **72.5895, 80.6587, 70.3911**, and if you desaturate by 10%, it is **84.3992, 85.9802, 105.5798**.

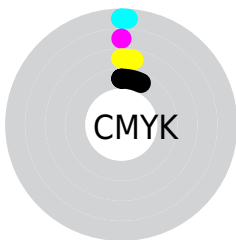
Distribution



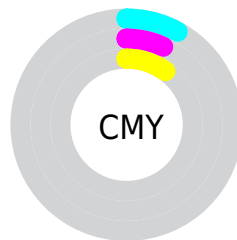
- Red (92%)
- Green (93%)
- Blue (90%)



- Red (90%)
- Yellow (93%)
- Blue (91%)



- Cyan (1%)
- Magenta (0%)
- Yellow (3%)
- Black (7%)



- Cyan (8%)
- Magenta (7%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.2101, 83.1965, 86.7993 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 78.2101, 83.1965, 86.7993 by changing the saturation by 10% instead.

■ 78.2101, 83.1965,
86.7993

■ 78.2101, 83.1965,
86.7993

477.7090,
505.6412, 537.8622

■ 58.5500, 62.3523,
64.7705

129.8101,
137.8506, 144.7808

■ 42.4959, 45.3174,
46.8248

162.4806,
172.4293, 181.5705

■ 29.6826, 31.7075,
32.5438

200.2186,
212.3550, 224.1175

■ 19.7447, 21.1382,
21.5090

243.3895,
258.0120, 272.8405

■ 12.3168, 13.2250,
13.3017

292.3587,
309.7847, 328.1579

■ 7.0335, 7.5837,
7.5035

347.4914,

■ 3.5296, 3.8297,

368.0575, 390.4883

3.6957

409.1530,
433.2149, 460.2502

■ 1.4396, 1.5788,
1.4599

■ 0.2842, 0.3432,
0.1878

■ 78.2101, 83.1965,
86.7993

■ 78.2101, 83.1965,
86.7993

■ 72.5895, 80.6587,
70.3911

■ 84.3992, 85.9802,
105.5798

■ 67.5109, 78.3483,
56.2555

■ 87.3841, 87.4931,
106.8900

■ 62.9562, 76.2602,
44.2935

■ 89.2871, 88.4741,
106.9790

■ 58.9031, 74.3857,
34.3969

■ 55.3280, 72.7148,
26.4482

■ 52.2045, 71.2371,
20.3179

■ 49.5035, 69.9405,
15.8611

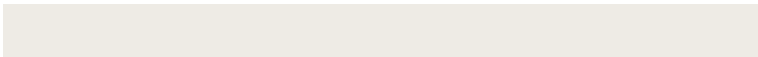
■ 47.1917, 68.8116,
12.9106

■ 45.2289, 67.8342,
11.2646

Harmonies

Analogous

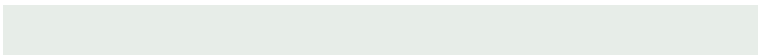
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.9940, 83.1965, 86.0922



78.2101, 83.1965, 86.7993



77.6612, 83.1965, 88.5200

Triad

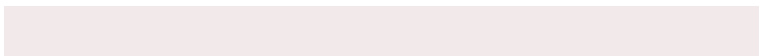
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.2101, 83.1965, 86.7993



78.3508, 83.1965, 94.7240



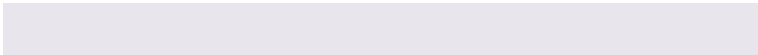
80.6826, 83.1965, 90.3529

Complementary

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



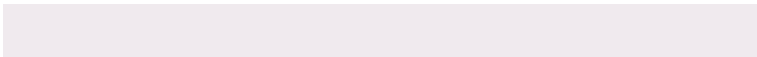
78.2101, 83.1965, 86.7993



76.7189, 79.8077, 90.7220

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.



80.5075, 83.1965, 92.6856



78.2101, 83.1965, 86.7993



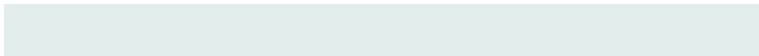
79.1576, 83.1965, 95.2352

Square

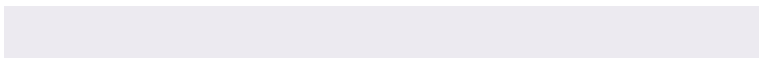
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



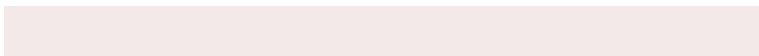
78.2101, 83.1965, 86.7993



77.7420, 83.1965, 93.0980



79.9478, 83.1965, 94.4830



80.4247, 83.1965, 88.1212

Rectangle

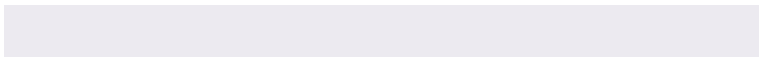
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



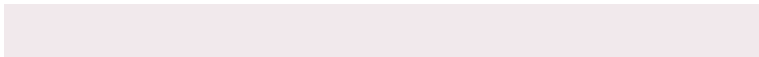
78.2101, 83.1965, 86.7993



77.5003, 83.1965, 90.0249



79.9478, 83.1965, 94.4830



80.6724, 83.1965, 91.1512

Sweetspot

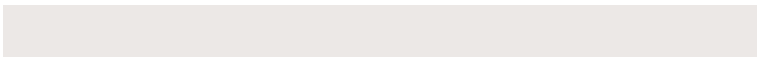
The Sweet Spot groups the original color and five complimentary colors.



78.2124, 83.2001, 86.8011



94.3297, 99.6758, 106.7374



77.7345, 81.2620, 86.4522



20.1980, 21.3381, 22.8690



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

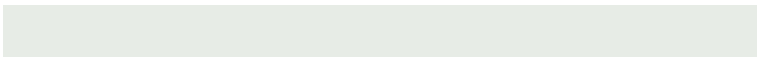
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.2124, 83.2001, 86.8011



92.9094, 99.0360, 102.4981



77.2360, 82.6967, 86.7554



16.5220, 17.6708, 18.0473



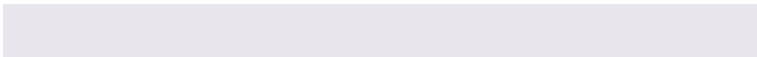
24.3660, 37.1056, 5.8779



2.0146, 2.9659, 0.4663

Inverse Universe

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



76.7189, 79.8077, 90.7220



90.8076, 94.2620, 108.0160



77.7010, 80.3140, 90.7680



16.0521, 16.6035, 19.2810



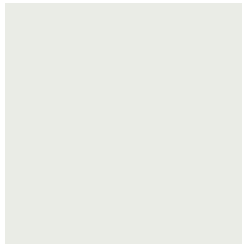
10.2352, 4.3124, 44.0359



0.9024, 0.3895, 3.4625

Previews

White Background



This preview shows how the XYZ color 78.2101, 83.1965, 86.7993 looks on a white background.

Color Contrast Check

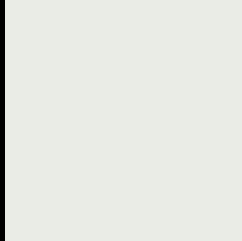
Large Text (above 18pt) WCAG AA × Fail

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 78.2101, 83.1965, 86.7993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

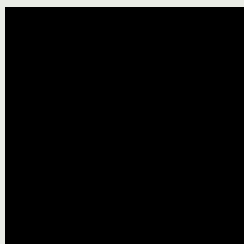
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

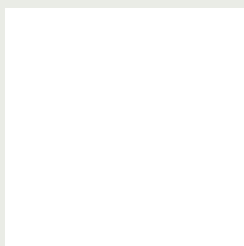
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.2101, 83.1965, 86.7993

Background



This preview shows how black text looks on a background with the XYZ color 78.2101, 83.1965, 86.7993.



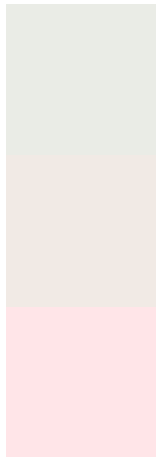
This preview shows how white text looks on a background with the XYZ color 78.2101, 83.1965,

86.7993.

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

78.2101, 83.1965, 86.7993

Protanopia

79.8413, 83.2036, 85.9805

Deuteranopia

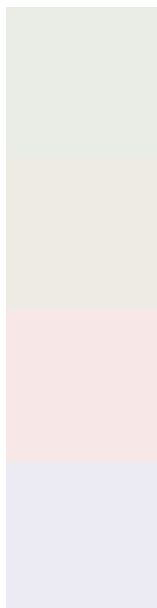
83.8248, 83.1248, 87.9706



Tritanopia

81.4766, 83.2474, 103.0409

Trichromacy



Original Color

78.2101, 83.1965, 86.7993

Protanomaly

79.1111, 83.2509, 86.0282

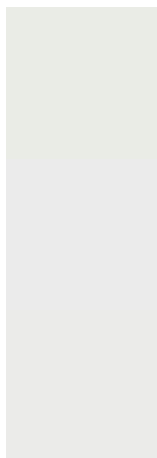
Deuteranomaly

81.6382, 83.2569, 87.3687

Tritanomaly

80.1926, 83.1496, 96.6169

Monochromacy



Original Color

78.2101, 83.1965, 86.7993

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.6773, 82.9620, 88.9573

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.2101, 83.1965, 86.7993 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(234, 236, 230) looks like.

```
.text, #text, p{  
    color:rgb(234, 236, 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(234, 236, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 236, 230) }
```

Border

The CSS property to change the border of an element to XYZ 78.2101, 83.1965, 86.7993 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(234, 236, 230) }
```


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

```
.border{ border-color:rgb(234, 236, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 236, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 236, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 236, 230);  
box-shadow:4px 4px 4px 4px rgb(234, 236,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 78.2101, 83.1965, 86.7993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 236, 230) }
```

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

```
.background{ background-color: rgb(234,  
236, 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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