

Converting Colors

XYZ(78.7035, 84.0046, 87.1253)

Have a look what the booklet for
XYZ(78.7035, 84.0046, 87.1253)
contains.

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Color

**XYZ(78.4988, 83.7740,
86.8956)**

Conversions

Conversions Part 1

Format	Color
Hex	EAEDE6
RGB	234, 237, 230
RGB Percent	92%, 93%, 90%
CMY	0.0823, 0.0706, 0.0980
CMYK	0.01, 0.00, 0.03, 0.07
HSL	86°, 16%, 92%
HSV	86°, 3%, 93%
XYZ	78.4988, 83.7740, 86.8956
YIQ	235.3050, 0.4590, -2.8130

Conversions

Conversions Part 2

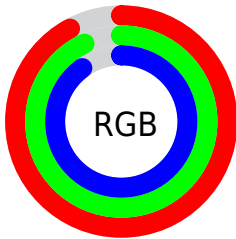
Format	Color
R _Y B	230, 237, 233
Decimal	15396326
CIE Lab	93.35, -2.23, 3.02
CIE LCh	93, 3.759, 126.426
Yxy	83.7740, 0.3150, 0.3362
Android (android.graphics.Color)	4293586406 (0xFFEAEDE6)
YUV	235.3050, -2.6154, -1.1445
Hunter-Lab	91.5281, -7.0843, 7.7806

Details

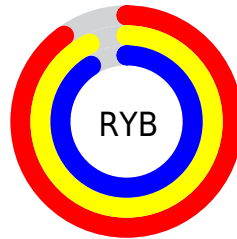
The XYZ color **78.4988, 83.7740, 86.8956** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.1904, 80.0340, 91.5049**, and the grayscale version is **79.2191, 83.3446, 90.7623**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.6218, 45.6079, 47.1142** is the 20% darker color. If you saturate the color by 10%, you get **72.1524, 80.8635, 70.3899**, and if you desaturate by 10%, it is **85.4940, 86.9715, 105.7973**.

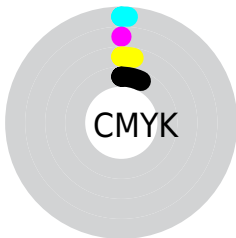
Distribution



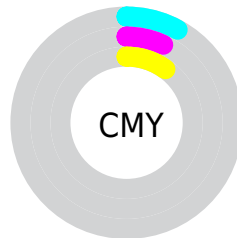
- Red (92%)
- Green (93%)
- Blue (90%)



- 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 78.4988, 83.7740, 86.8956 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 78.4988, 83.7740, 86.8956 by changing the saturation by 10% instead.

■ 78.4988, 83.7740,
86.8956

■ 78.4988, 83.7740,
86.8956

478.6731,
507.5624, 538.1870

■ 58.7880, 62.8289,
64.8497

130.2147,
138.6590, 144.9162

■ 42.6882, 45.7028,
46.8886

162.9505,
173.3676, 181.7280

■ 29.8340, 32.0113,
32.5939

200.7587,
213.4329, 224.2988

■ 19.8601, 21.3702,
21.5470

244.0047,
259.2392, 273.0471

■ 12.4010, 13.3948,
13.3293

293.0537,
311.1709, 328.3916

■ 7.0916, 7.7010,
7.5223

348.2713,

■ 3.5663, 3.9042,

369.6124, 390.7507

3.7075

410.0226,
434.9481, 460.5430

■ 1.4598, 1.6201,
1.4663

■ 0.2982, 0.3711,
0.1926

■ 78.4988, 83.7740,
86.8956

■ 78.4988, 83.7740,
86.8956

■ 72.1524, 80.8635,
70.3899

■ 85.4940, 86.9715,
105.7973

■ 66.4265, 78.2203,
56.1791

■ 89.3312, 88.9256,
107.0638

■ 61.3009, 75.8386,
44.1628

■ 89.5758, 89.0517,
107.0753

■ 56.7512, 73.7083,
34.2314

■ 52.7515, 71.8185,
26.2654

■ 49.2734, 70.1576,
20.1336

■ 46.2850, 68.7123,
15.6884

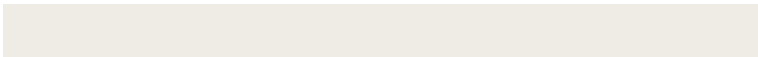
■ 43.7505, 67.4680,
12.7598

■ 41.6268, 66.4068,
11.1418

Harmonies

Analogous

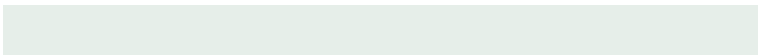
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.4116, 83.7740, 85.9006



78.4988, 83.7740, 86.8956



77.8913, 83.7740, 89.0509

Triad

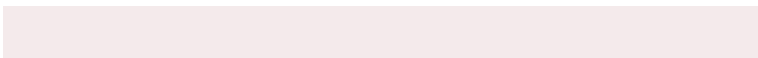
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.4988, 83.7740, 86.8956



78.8652, 83.7740, 96.3083



81.5329, 83.7740, 90.6064

Complementary

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



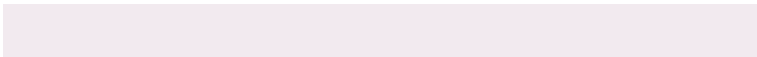
78.4988, 83.7740, 86.8956



77.1904, 80.0340, 91.5049

Split Complementary

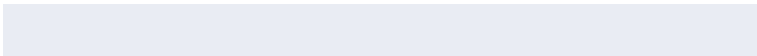
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.3836, 83.7740, 93.4152



78.4988, 83.7740, 86.8956



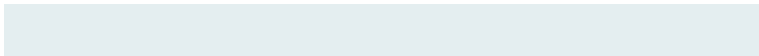
79.8381, 83.7740, 96.7456

Square

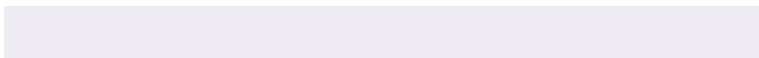
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



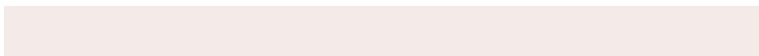
78.4988, 83.7740, 86.8956



78.1016, 83.7740, 94.4939



80.7613, 83.7740, 95.6765



81.1674, 83.7740, 88.0141

Rectangle

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



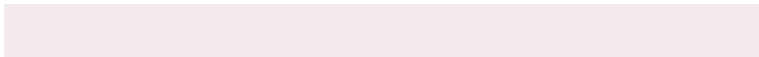
78.4988, 83.7740, 86.8956



77.7384, 83.7740, 90.8759



80.7613, 83.7740, 95.6765



81.5413, 83.7740, 91.5562

Sweetspot

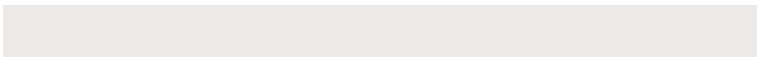
The Sweet Spot groups the original color and five complimentary colors.



78.5011, 83.7776, 86.8974



94.2408, 99.6300, 106.7333



78.3264, 81.9513, 86.5541



20.1800, 21.3288, 22.8681



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.



78.5011, 83.7776, 86.8974



91.8595, 98.5400, 100.4048



77.3903, 83.2050, 86.8454



16.3314, 17.5801, 17.6974



22.1723, 35.9747, 5.7752



1.8508, 2.8815, 0.4586

Inverse Universe

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



77.1904, 80.0340, 91.5049



89.7714, 92.5758, 107.7452



78.3166, 80.6145, 91.5576



15.8936, 16.3296, 19.2365



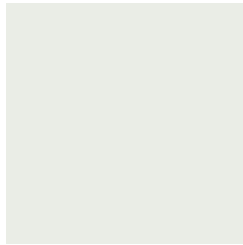
11.4598, 4.9437, 44.0932



1.0080, 0.4439, 3.4674

Previews

White Background



This preview shows how the XYZ color 78.4988, 83.7740, 86.8956 looks on a white background.

Color Contrast Check

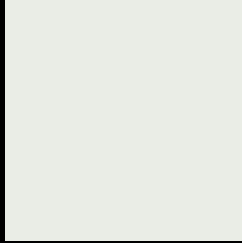
Large Text (above 18pt) WCAG AA × Fail

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 78.4988, 83.7740, 86.8956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

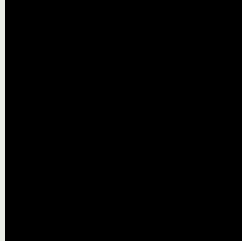
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

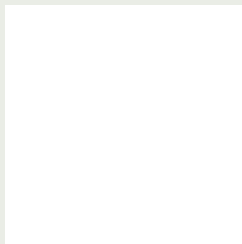
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.4988, 83.7740, 86.8956

Background



This preview shows how black text looks on a background with the XYZ color 78.4988, 83.7740, 86.8956.



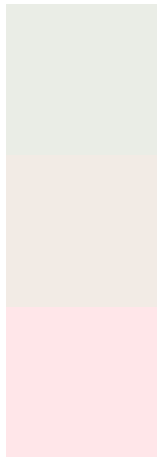
This preview shows how white text looks on a background with the XYZ color 78.4988, 83.7740,

86.8956.

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

78.4988, 83.7740, 86.8956

Protanopia

80.4691, 83.9510, 86.0917

Deuteranopia

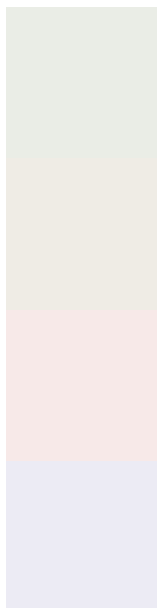
84.2448, 83.7368, 88.8134



Tritanopia

81.9186, 83.8784, 103.9680

Trichromacy



Original Color

78.4988, 83.7740, 86.8956

Protanomaly

79.7349, 83.9988, 86.1396

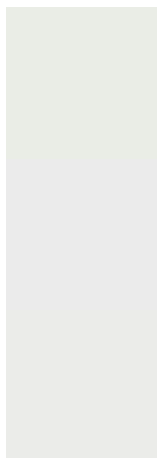
Deuteranomaly

82.0622, 83.8782, 88.2089

Tritanomaly

80.6295, 83.7812, 97.5097

Monochromacy



Original Color

78.4988, 83.7740, 86.8956

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.9644, 83.5363, 89.0530

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.4988, 83.7740, 86.8956 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, 237, 230) looks like.

```
.text, #text, p{  
    color:rgb(234, 237, 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, 237, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 237, 230) }
```

Border

The CSS property to change the border of an element to XYZ 78.4988, 83.7740, 86.8956 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, 237, 230) }
```


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

```
.border{ border-color:rgb(234, 237, 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, 237, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(234, 237, 230); -webkit-box-shadow:4px 4px 4px 4px rgb(234, 237, 230); box-shadow:4px 4px 4px 4px rgb(234, 237, 230) }
```

Background

The CSS property to change the background color of an element to XYZ 78.4988, 83.7740, 86.8956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 237, 230) }
```

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

```
.background{ background-color: rgb(234,  
237, 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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