

Converting Colors

XYZ(78.7879, 82.2595, 87.6581)

Have a look what the booklet for
XYZ(78.7879, 82.2595, 87.6581)
contains.

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Color

**XYZ(78.8226, 82.2245,
87.3178)**

Conversions

Conversions Part 1

Format	Color
Hex	EEE9E7
RGB	238, 233, 231
RGB Percent	93%, 91%, 91%
CMY	0.0667, 0.0863, 0.0941
CMYK	0.00, 0.02, 0.03, 0.07
HSL	17°, 17%, 92%
HSV	17°, 3%, 93%
XYZ	78.8226, 82.2245, 87.3178
YIQ	234.2670, 3.6220, 0.4380

Conversions

Conversions Part 2

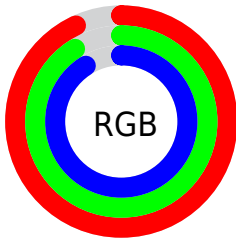
Format	Color
R _Y B	238, 234, 231
Decimal	15657447
CIE Lab	92.67, 1.34, 1.56
CIE LCh	93, 2.050, 49.331
Yxy	82.2245, 0.3174, 0.3311
Android (android.graphics.Color)	4293847527 (0xFFEEE9E7)
YUV	234.2670, -1.6106, 3.2738
Hunter-Lab	90.6777, -3.5230, 6.3813

Details

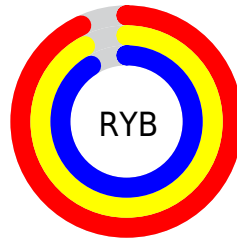
The XYZ color **78.8226, 82.2245, 87.3178** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.3830, 83.1516, 92.8086**, and the grayscale version is **78.4208, 82.5048, 89.8478**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.7514, 44.4845, 46.8906** is the 20% darker color. If you saturate the color by 10%, you get **71.1084, 71.8141, 69.2744**, and if you desaturate by 10%, it is **87.4614, 93.7506, 107.9265**.

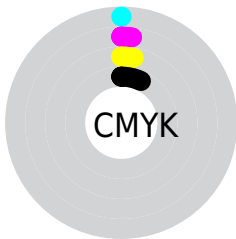
Distribution



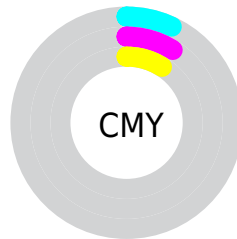
- Red (93%)
- Green (91%)
- Blue (91%)



- Red (93%)
- Yellow (92%)
- Blue (91%)



- Cyan (0%)
- Magenta (2%)
- Yellow (3%)
- Black (7%)



- Cyan (7%)
- Magenta (9%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.8226, 82.2245, 87.3178 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 78.8226, 82.2245, 87.3178 by changing the saturation by 10% instead.

■ 78.8226, 82.2245,
87.3178

■ 78.8226, 82.2245,
87.3178

479.7532,
502.3983, 539.6099

■ 59.0551, 61.5506,
65.1971

130.6683,
136.4888, 145.5098

■ 42.9040, 44.6697,
47.1686

163.4773,
170.8480, 182.4182

■ 30.0040, 31.1973,
32.8136

201.3640,
210.5377, 225.0929

■ 19.9897, 20.7491,
21.7138

244.6940,
255.9423, 273.9524

■ 12.4958, 12.9408,
13.4504

293.8326,
307.4463, 329.4153

■ 7.1569, 7.3878,
7.6051

349.1451,

■ 3.6076, 3.7058,

365.4341, 391.9002

3.7592

410.9968,
430.2899, 461.8255

■ 1.4826, 1.5104,
1.4942

■ 0.3140, 0.2960,
0.2136

■ 78.8226, 82.2245,
87.3178

■ 78.8226, 82.2245,
87.3178

■ 71.1084, 71.8141,
69.2744

■ 87.4614, 93.7506,
107.9265

■ 64.2807, 62.4755,
53.6901

■ 89.0703, 96.9174,
108.6202

■ 58.3085, 54.1771,
40.4591

■ 53.1565, 46.8820,
29.4660

■ 48.7869, 40.5510,
20.5853

■ 45.1586, 35.1422,
13.6792

■ 42.2263, 30.6104,
8.5933

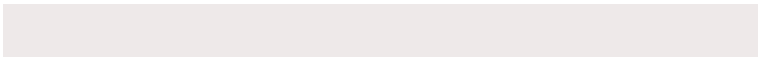
■ 39.9393, 26.9061,
5.1498

■ 38.2384, 23.9740,
3.1342

Harmonies

Analogous

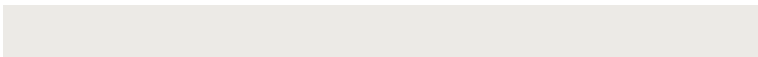
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.1243, 82.2245, 88.5592



78.8226, 82.2245, 87.3178



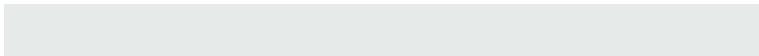
78.3421, 82.2245, 86.6713

Triad

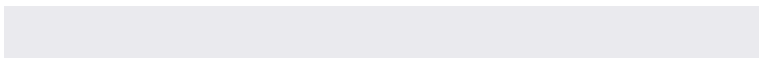
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.8226, 82.2245, 87.3178



77.1478, 82.2245, 88.9855



78.4921, 82.2245, 92.3305

Complementary

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



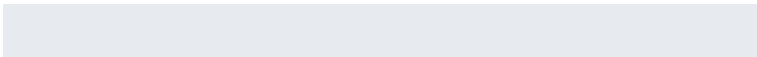
78.8226, 82.2245, 87.3178



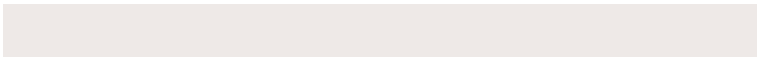
78.3830, 83.1516, 92.8086

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.



77.9621, 82.2245, 92.4478



78.8226, 82.2245, 87.3178



77.1876, 82.2245, 90.5049

Square

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



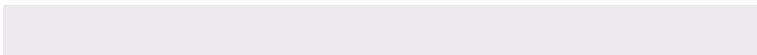
78.8226, 82.2245, 87.3178



77.3761, 82.2245, 87.6268



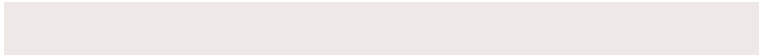
77.4851, 82.2245, 91.7762



78.9329, 82.2245, 91.4575

Rectangle

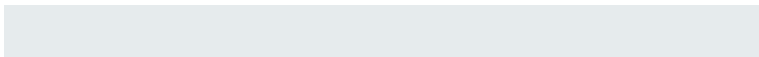
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



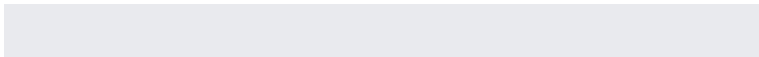
78.8226, 82.2245, 87.3178



77.9857, 82.2245, 86.6596



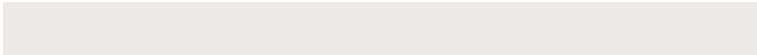
77.4851, 82.2245, 91.7762



78.3184, 82.2245, 92.4600

Sweetspot

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



78.8249, 82.2281, 87.3196



94.0643, 98.6812, 106.5594



78.9797, 81.3873, 90.9173



20.1440, 21.1358, 22.8328



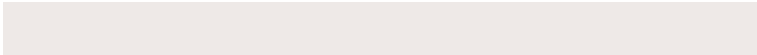
0.0000, 0.0000, 0.0000



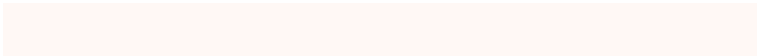
20.3446, 21.4041, 23.3091

Same Dimension

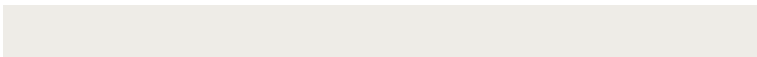
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.8249, 82.2281, 87.3196



91.1724, 94.8034, 99.7198



79.8196, 84.2174, 87.6511



16.9504, 17.5866, 18.3783



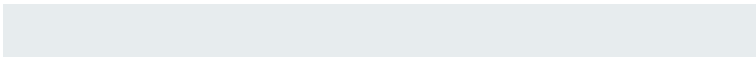
20.9249, 12.6479, 1.3384



1.8227, 1.2161, 0.1387

Inverse Universe

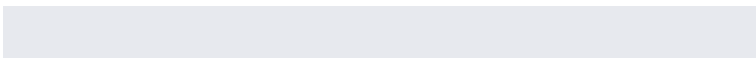
The Inverse Universe completely reimagines the original color for something new.



78.3830, 83.1516, 92.8086



90.4719, 96.2673, 108.4208



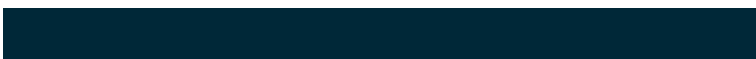
77.3910, 81.1677, 92.4780



16.7962, 17.9088, 20.2931



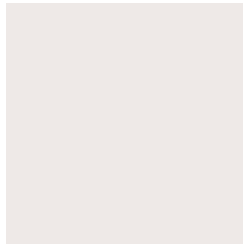
16.7306, 19.6854, 48.0457



1.4763, 1.8066, 4.0251

Previews

White Background



This preview shows how the XYZ color 78.8226, 82.2245, 87.3178 looks on a white background.

Color Contrast Check

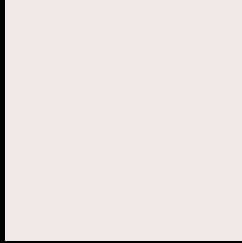
Large Text (above 18pt) WCAG AA × Fail

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 78.8226, 82.2245, 87.3178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

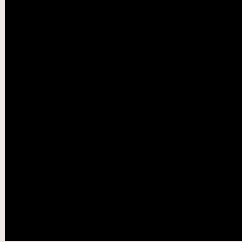
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

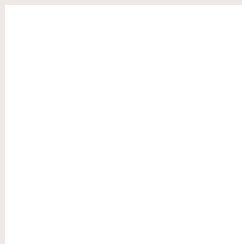
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.8226, 82.2245, 87.3178

Background



This preview shows how black text looks on a background with the XYZ color 78.8226, 82.2245, 87.3178.



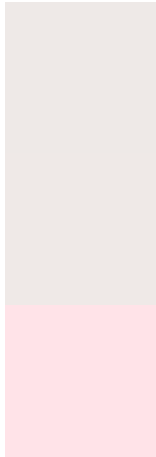
This preview shows how white text looks on a background with the XYZ color 78.8226, 82.2245,

87.3178.

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

78.8226, 82.2245, 87.3178

Protanopia

79.1593, 82.3981, 87.3336

Deuteranopia

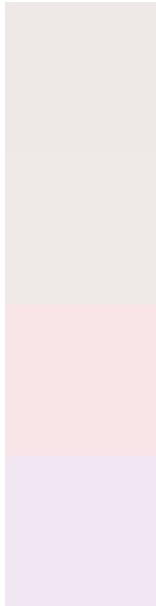
83.2746, 82.0244, 87.7872



Tritanopia

81.5157, 82.0717, 100.3520

Trichromacy



Original Color

78.8226, 82.2245, 87.3178

Protanomaly

79.1593, 82.3981, 87.3336

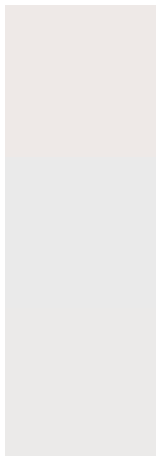
Deuteranomaly

81.6517, 82.0046, 87.8689

Tritanomaly

80.5381, 82.0879, 95.6041

Monochromacy



Original Color

78.8226, 82.2245, 87.3178

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

78.3917, 82.3910, 88.8622

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.8226, 82.2245, 87.3178 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(238, 233, 231) looks like.

```
.text, #text, p{  
    color:rgb(238, 233, 231)  
}
```

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(238, 233, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 233, 231) }
```

Border

The CSS property to change the border of an element to XYZ 78.8226, 82.2245, 87.3178 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(238, 233, 231) }
```


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

```
.border{ border-color:rgb(238, 233, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 233, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 233, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 233, 231);  
box-shadow:4px 4px 4px 4px rgb(238, 233,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 78.8226, 82.2245, 87.3178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 233, 231) }
```

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

```
.background{ background-color: rgb(238,  
233, 231) }
```

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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