

Converting Colors

XYZ(78.4954, 80.7654, 87.5203)

Have a look what the booklet for
XYZ(78.4954, 80.7654, 87.5203)
contains.

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Color

**XYZ(78.4589, 80.7705,
87.7990)**

Conversions

Conversions Part 1

Format	Color
Hex	EFE6E8
RGB	239, 230, 232
RGB Percent	94%, 90%, 91%
CMY	0.0627, 0.0980, 0.0902
CMYK	0.00, 0.04, 0.03, 0.06
HSL	347°, 22%, 92%
HSV	347°, 4%, 94%
XYZ	78.4589, 80.7705, 87.7990
YIQ	232.9190, 4.7220, 2.5300

Conversions

Conversions Part 2

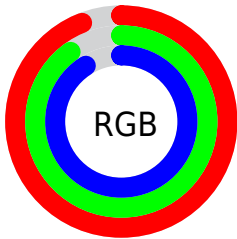
Format	Color
R _Y B	239, 230, 232
Decimal	15722216
CIE Lab	92.03, 3.39, 0.10
CIE LCh	92, 3.392, 1.747
Yxy	80.7705, 0.3176, 0.3270
Android (android.graphics.Color)	4293912296 (0xFFEFE6E8)
YUV	232.9190, -0.4531, 5.3330
Hunter-Lab	89.8724, -1.4456, 4.9885

Details

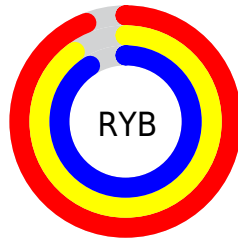
The XYZ color **78.4589, 80.7705, 87.7990** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.7887, 84.6725, 92.3157**, and the grayscale version is **77.3939, 81.4244, 88.6712**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.6949, 43.8618, 47.2902** is the 20% darker color. If you saturate the color by 10%, you get **69.7555, 67.3690, 72.5474**, and if you desaturate by 10%, it is **88.3584, 96.1145, 104.8304**.

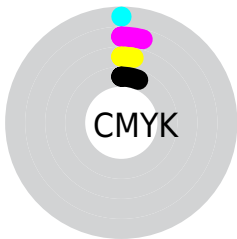
Distribution



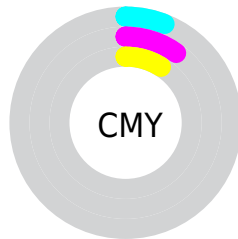
- Red (94%)
- Green (90%)
- Blue (91%)



- Red (94%)
- Yellow (90%)
- Blue (91%)



- Cyan (0%)
- Magenta (4%)
- Yellow (3%)
- Black (6%)



- Cyan (6%)
- Magenta (10%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.4589, 80.7705, 87.7990 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 78.4589, 80.7705, 87.7990 by changing the saturation by 10% instead.

■ 78.4589, 80.7705,
87.7990

■ 78.4589, 80.7705,
87.7990

478.5399,
497.5257, 541.2290

■ 58.7551, 60.3526,
65.5932

130.1588,
134.4485, 146.1860

■ 42.6616, 43.7029,
47.4879

162.8856,
168.4773, 183.2042

■ 29.8131, 30.4370,
33.0644

200.6841,
207.8120, 225.9971

■ 19.8441, 20.1705,
21.9043

243.9197,
252.8368, 274.9831

■ 12.3894, 12.5191,
13.5889

292.9577,
303.9362, 330.5807

■ 7.0835, 7.0982,
7.6998

348.1635,

■ 3.5612, 3.5236,

361.4945, 393.2086

3.8185

409.9025,
425.8962, 463.2851

■ 1.4570, 1.4108,
1.5263

■ 0.2963, 0.2247,
0.2374

■ 78.4589, 80.7705,
87.7990

■ 78.4589, 80.7705,
87.7990

■ 69.7555, 67.3690,
72.5474

■ 88.3584, 96.1145,
104.8304

■ 62.1957, 55.8225,
59.0125

■ 89.4071, 97.0910,
108.6359

■ 55.7334, 46.0519,
47.1351

■ 50.3166, 37.9687,
36.8503

■ 45.8891, 31.4767,
28.0894

■ 42.3891, 26.4698,
20.7781

■ 39.7478, 22.8291,
14.8358

■ 37.8863, 20.4172,
10.1734

■ 36.7100, 19.0673,
6.6903

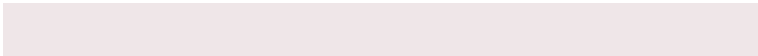
Harmonies

Analogous

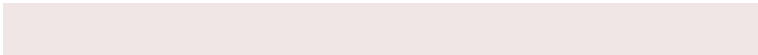
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.2571, 80.7705, 90.2392



78.4589, 80.7705, 87.7990



78.2053, 80.7705, 85.4417

Triad

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



78.4589, 80.7705, 87.7990



75.8907, 80.7705, 83.9228



75.9786, 80.7705, 92.2455

Complementary

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



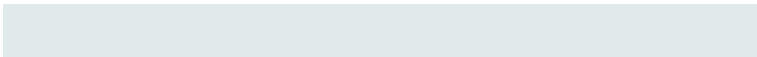
78.4589, 80.7705, 87.7990



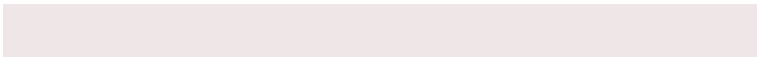
78.7887, 84.6725, 92.3157

Split Complementary

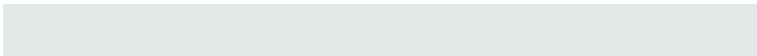
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.3522, 80.7705, 90.4975



78.4589, 80.7705, 87.7990



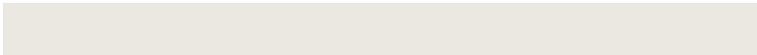
75.3017, 80.7705, 85.6907

Square

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



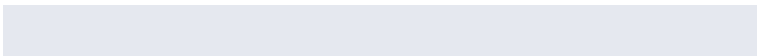
78.4589, 80.7705, 87.7990



76.7188, 80.7705, 83.2302



75.1054, 80.7705, 88.0918



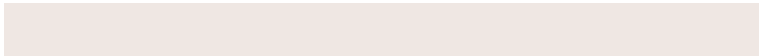
76.8211, 80.7705, 92.8353

Rectangle

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



78.4589, 80.7705, 87.7990



77.8132, 80.7705, 84.2264



75.1054, 80.7705, 88.0918



75.7360, 80.7705, 91.7722

Sweetspot

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



78.4612, 80.7740, 87.8007



93.9240, 98.2566, 106.9568



78.7710, 80.8165, 93.1100



20.1155, 21.0493, 22.9137



0.0000, 0.0000, 0.0000



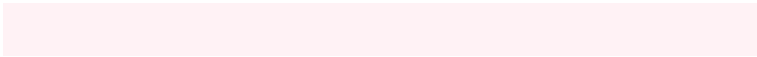
20.3446, 21.4041, 23.3091

Same Dimension

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



78.4612, 80.7740, 87.8007



89.5601, 91.5106, 99.3925



78.8514, 82.0057, 86.5398



16.6439, 16.9374, 18.3877



20.0672, 10.2993, 3.0043



1.7056, 0.8713, 0.4406

Inverse Universe

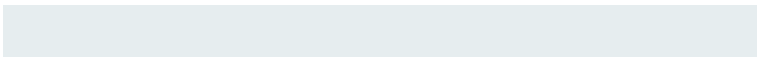
The Inverse Universe completely reimagines the original color for something new.



78.4612, 80.7740, 87.8007



89.5601, 91.5106, 99.3925



78.3844, 83.3945, 93.6279



16.6439, 16.9374, 18.3877



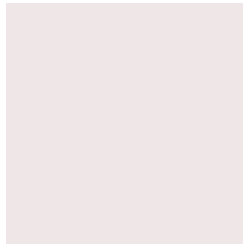
20.0672, 10.2993, 3.0043



1.7056, 0.8713, 0.4406

Previews

White Background



This preview shows how the XYZ color 78.4589, 80.7705, 87.7990 looks on a white background.

Color Contrast Check

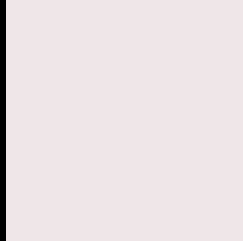
Large Text (above 18pt) WCAG AA × Fail

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 78.4589, 80.7705, 87.7990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

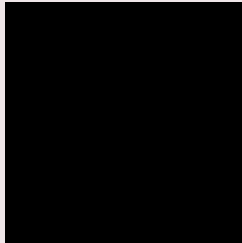
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

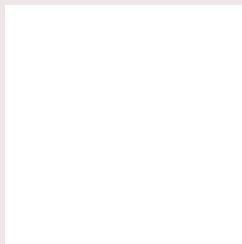
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.4589, 80.7705, 87.7990

Background



This preview shows how black text looks on a background with the XYZ color 78.4589, 80.7705, 87.7990.



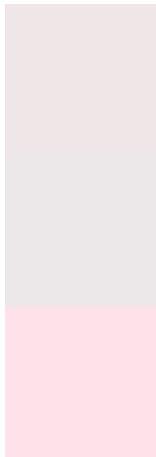
This preview shows how white text looks on a background with the XYZ color 78.4589, 80.7705,

87.7990.

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

78.4589, 80.7705, 87.7990

Protanopia

77.8760, 80.8679, 88.5954

Deuteranopia

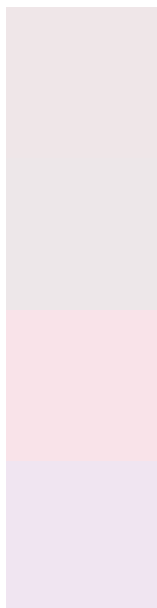
82.5062, 80.8045, 88.3391



Tritanopia

80.6536, 80.8414, 98.5418

Trichromacy



Original Color

78.4589, 80.7705, 87.7990

Protanomaly

78.2089, 81.0395, 88.6109

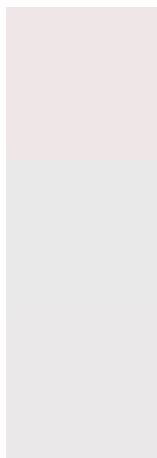
Deuteranomaly

81.2440, 80.9611, 88.4358

Tritanomaly

79.8317, 80.9148, 94.6296

Monochromacy



Original Color

78.4589, 80.7705, 87.7990

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.8255, 81.2586, 88.6734

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.4589, 80.7705, 87.7990 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(239, 230, 232) looks like.

```
.text, #text, p{  
    color:rgb(239, 230, 232)  
}
```

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(239, 230, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 230, 232) }
```

Border

The CSS property to change the border of an element to XYZ 78.4589, 80.7705, 87.7990 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(239, 230, 232) }
```


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

```
.border{ border-color:rgb(239, 230, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 230, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 230, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 230, 232);  
box-shadow:4px 4px 4px 4px rgb(239, 230,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 78.4589, 80.7705, 87.7990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 230, 232) }
```

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

```
.background{ background-color: rgb(239,  
230, 232) }
```

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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