

Converting Colors

XYZ(78.5061, 82.1689, 89.0576)

Have a look what the booklet for
XYZ(78.5061, 82.1689, 89.0576)
contains.

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Color

**XYZ(78.4390, 81.9939,
88.7830)**

Conversions

Conversions Part 1

Format	Color
Hex	ECE9E9
RGB	236, 233, 233
RGB Percent	93%, 91%, 91%
CMY	0.0745, 0.0863, 0.0863
CMYK	0.00, 0.01, 0.01, 0.07
HSL	0°, 7%, 92%
HSV	0°, 1%, 93%
XYZ	78.4390, 81.9939, 88.7830
YIQ	233.8970, 1.7880, 0.6360

Conversions

Conversions Part 2

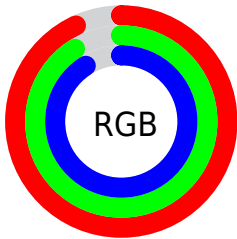
Format	Color
R _Y B	236, 233, 233
Decimal	15526377
CIE Lab	92.57, 1.01, 0.35
CIE LCh	93, 1.069, 18.900
Yxy	81.9939, 0.3147, 0.3290
Android (android.graphics.Color)	4293716457 (0xFFECE9E9)
YUV	233.8970, -0.4422, 1.8443
Hunter-Lab	90.5505, -3.8384, 5.2526

Details

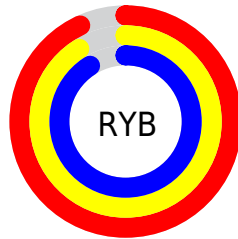
The XYZ color **78.4390, 81.9939, 88.7830** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.7401, 83.3697, 91.3000**, and the grayscale version is **78.1331, 82.2021, 89.5181**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.4803, 44.3219, 47.9110** is the 20% darker color. If you saturate the color by 10%, you get **69.0588, 68.2722, 70.1206**, and if you desaturate by 10%, it is **88.4026, 96.5731, 108.5889**.

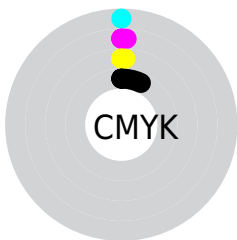
Distribution



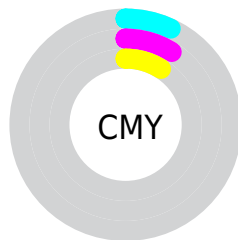
- Red (93%)
- Green (91%)
- Blue (91%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.4390, 81.9939, 88.7830 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 78.4390, 81.9939, 88.7830 by changing the saturation by 10% instead.

■ 78.4390, 81.9939,
88.7830

■ 78.4390, 81.9939,
88.7830

478.4735,
501.6273, 544.5316

■ 58.7387, 61.3605,
66.4037

130.1309,
136.1654, 147.5675

■ 42.6484, 44.5162,
48.1416

162.8532,
170.4724, 184.8097

■ 29.8026, 31.0765,
33.5783

200.6469,
210.1060, 227.8434

■ 19.8362, 20.6571,
22.2951

243.8773,
255.4506, 277.0870

■ 12.3836, 12.8736,
13.8735

292.9098,
306.8906, 332.9591

■ 7.0795, 7.3416,
7.8950

348.1098,

■ 3.5587, 3.6766,

364.8105, 395.8782

3.9410

409.8426,
429.5946, 466.2628

■ 1.4556, 1.4944,
1.5930

■ 0.2953, 0.2848,
0.2858

■ 78.4390, 81.9939,
88.7830

■ 78.4390, 81.9939,
88.7830

■ 69.0588, 68.2722,
70.1206

■ 88.4026, 96.5731,
108.5889

■ 60.9656, 56.4323,
54.0230

■ 54.1053, 46.3954,
40.3798

■ 48.4174, 38.0731,
29.0705

■ 43.8365, 31.3696,
19.9644

■ 40.2903, 26.1796,
12.9180

■ 37.6986, 22.3854,
7.7708

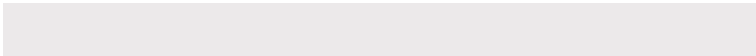
■ 35.9688, 19.8521,
4.3387

■ 34.9904, 18.4180,
2.4010

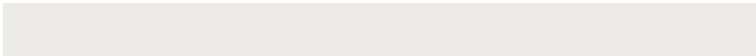
Harmonies

Analogous

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



78.4579, 81.9939, 89.5721



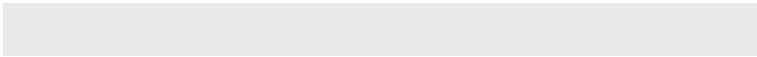
78.4390, 81.9939, 88.7830



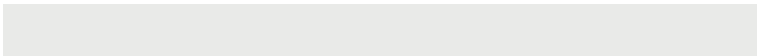
78.2843, 81.9939, 88.1300

Triad

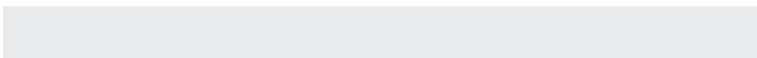
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.4390, 81.9939, 88.7830



77.5311, 81.9939, 88.2759



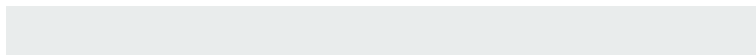
77.8300, 81.9939, 90.7864

Complementary

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



78.4390, 81.9939, 88.7830



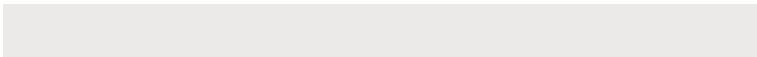
78.7401, 83.3697, 91.3000

Split Complementary

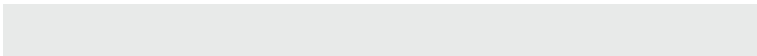
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.5823, 81.9939, 90.4347



78.4390, 81.9939, 88.7830



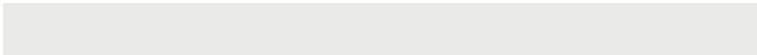
77.4100, 81.9939, 88.9833

Square

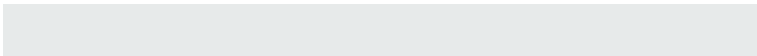
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



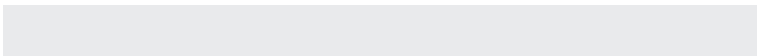
78.4390, 81.9939, 88.7830



77.7599, 81.9939, 87.8385



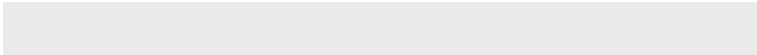
77.4287, 81.9939, 89.7737



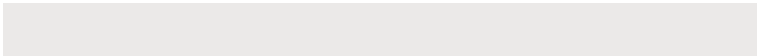
78.1058, 81.9939, 90.7320

Rectangle

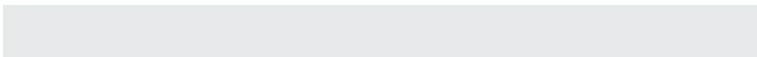
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



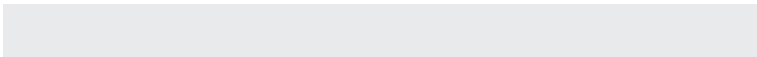
78.4390, 81.9939, 88.7830



78.1251, 81.9939, 87.8583



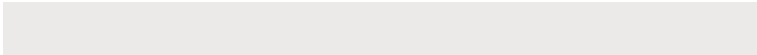
77.4287, 81.9939, 89.7737



77.7407, 81.9939, 90.7117

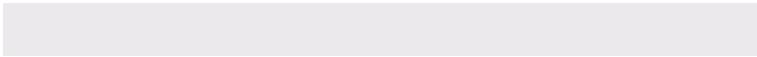
Sweetspot

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



78.4413, 81.9974, 88.7848

95.0500, 100.0000, 108.9000



78.8725, 82.1681, 91.0611



20.3446, 21.4041, 23.3091



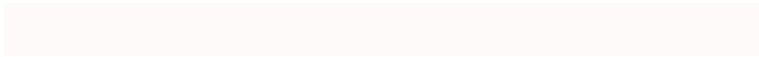
0.0000, 0.0000, 0.0000

Same Dimension

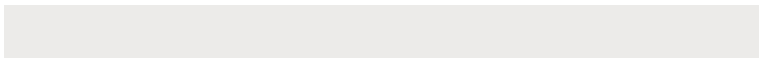
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.4413, 81.9974, 88.7848



92.6363, 96.4692, 104.0982



78.8666, 82.8481, 88.9266



16.5942, 17.2912, 18.6687



19.0704, 9.8351, 0.8932



1.4981, 0.7734, 0.0703

Inverse Universe

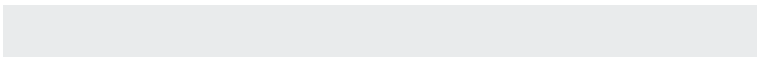
The Inverse Universe completely reimagines the original color for something new.



78.7401, 83.3697, 91.3000



93.1963, 99.0412, 108.8126



78.3112, 82.5118, 91.1570



16.6887, 17.7250, 19.4639



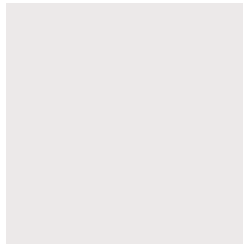
24.8304, 36.3079, 49.4424



1.9504, 2.8522, 3.8826

Previews

White Background



This preview shows how the XYZ color 78.4390, 81.9939, 88.7830 looks on a white background.

Color Contrast Check

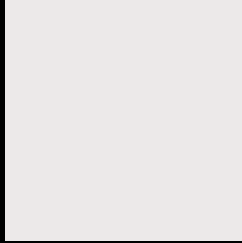
Large Text (above 18pt) WCAG AA × Fail

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 78.4390, 81.9939, 88.7830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

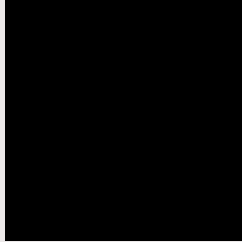
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

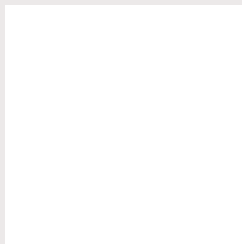
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.4390, 81.9939, 88.7830

Background



This preview shows how black text looks on a background with the XYZ color 78.4390, 81.9939, 88.7830.



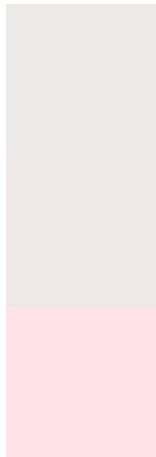
This preview shows how white text looks on a background with the XYZ color 78.4390, 81.9939,

88.7830.

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

78.4390, 81.9939, 88.7830

Protanopia

78.8245, 81.7736, 88.7202

Deuteranopia

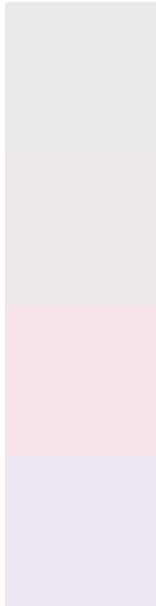
83.2876, 81.5932, 89.2012



Tritanopia

80.9347, 82.1685, 101.2169

Trichromacy



Original Color

78.4390, 81.9939, 88.7830

Protanomaly

78.4896, 81.6009, 88.7045

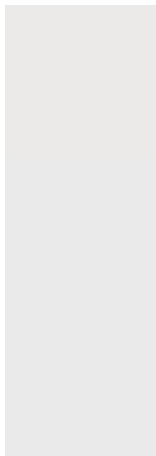
Deuteranomaly

81.5820, 81.9356, 89.3572

Tritanomaly

79.9593, 82.1888, 96.4437

Monochromacy



Original Color

78.4390, 81.9939, 88.7830

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

78.5351, 82.4483, 89.6168

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.4390, 81.9939, 88.7830 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(236, 233, 233) looks like.

```
.text, #text, p{  
    color:rgb(236, 233, 233)  
}
```

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(236, 233, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 233, 233) }
```

Border

The CSS property to change the border of an element to XYZ 78.4390, 81.9939, 88.7830 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(236, 233, 233) }
```

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

```
.border{ border-color:rgb(236, 233, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 233, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 233, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 233, 233);  
box-shadow:4px 4px 4px 4px rgb(236, 233,  
233) }
```


Background

The CSS property to change the background color of an element to XYZ 78.4390, 81.9939, 88.7830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 233, 233) }
```

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

```
.background{ background-color: rgb(236,  
233, 233) }
```

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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