

Converting Colors

XYZ(80.6172, 83.1042, 89.6372)

Have a look what the booklet for
XYZ(80.6172, 83.1042, 89.6372)
contains.

XYZ(80.6081, 83.0956, 89.6324)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(80.6081, 83.0956,
89.6324)**

Conversions

Conversions Part 1

Format	Color
Hex	F2E9EA
RGB	242, 233, 234
RGB Percent	95%, 91%, 92%
CMY	0.0510, 0.0863, 0.0823
CMYK	0.00, 0.04, 0.03, 0.05
HSL	353°, 26%, 93%
HSV	353°, 4%, 95%
XYZ	80.6081, 83.0956, 89.6324
YIQ	235.8050, 5.0430, 2.2190

Conversions

Conversions Part 2

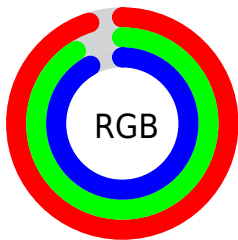
Format	Color
R _Y B	242, 233, 234
Decimal	15919594
CIE Lab	93.06, 3.21, 0.59
CIE LCh	93, 3.262, 10.366
Yxy	83.0956, 0.3182, 0.3280
Android (android.graphics.Color)	4294109674 (0xFF F2 E9 EA)
YUV	235.8050, -0.8899, 5.4330
Hunter-Lab	91.1568, -1.6804, 5.5112

Details

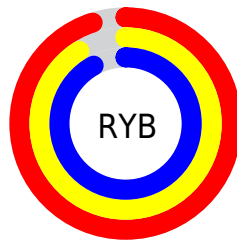
The XYZ color **80.6081, 83.0956, 89.6324** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.2367, 87.1808, 95.7694**, and the grayscale version is **79.5856, 83.7302, 91.1822**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.0077, 45.0977, 48.5048** is the 20% darker color. If you saturate the color by 10%, you get **71.3155, 69.1609, 72.1961**, and if you desaturate by 10%, it is **90.4284, 97.6175, 108.6837**.

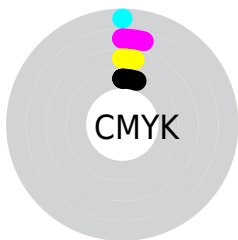
Distribution



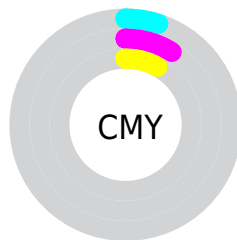
- Red (95%)
- Green (91%)
- Blue (92%)



- Red (95%)
- Yellow (91%)
- Blue (92%)



- Cyan (0%)
- Magenta (4%)
- Yellow (3%)
- Black (5%)



- Cyan (5%)
- Magenta (9%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.6081, 83.0956, 89.6324 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 80.6081, 83.0956, 89.6324 by changing the saturation by 10% instead.

80.6081, 83.0956,
89.6324

80.6081, 83.0956,
89.6324

485.6852,
505.3051, 547.3736

60.5291, 62.2690,
67.1038

133.1664,
137.7093, 148.7587

44.0963, 45.2501,
48.7069

166.3764,
172.2653, 186.1935

30.9445, 31.6545,
34.0230

204.6940,
212.1665, 229.4342

20.7082, 21.0977,
22.6338

248.4847,
257.7974, 278.8992

13.0221, 13.1955,
14.1206

298.1139,
309.5422, 335.0071

7.5209, 7.5633,
8.0649

353.9467,

3.8391, 3.8168,

367.7856, 398.1764

4.0481

416.3487,
432.9117, 468.8257

■ 1.6115, 1.5716,
1.6518

■ 0.3999, 0.3383,
0.3274

■ 80.6081, 83.0956,
89.6324

■ 80.6081, 83.0956,
89.6324

■ 71.3155, 69.1609,
72.1961

■ 90.4284, 97.6175,
108.6837

■ 63.2844, 57.1704,
56.9660

■ 56.4622, 47.0409,
43.8557

■ 50.7901, 38.6791,
32.7710

■ 46.2045, 31.9835,
23.6107

■ 42.6354, 26.8423,
16.2644

■ 40.0045, 23.1298,
10.6111

■ 38.2221, 20.7012,
6.5143

■ 37.1804, 19.3802,
3.8163

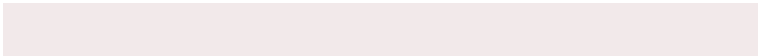
Harmonies

Analogous

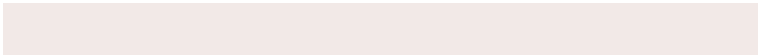
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.5384, 83.0956, 92.0682



80.6081, 83.0956, 89.6324



80.2391, 83.0956, 87.4617

Triad

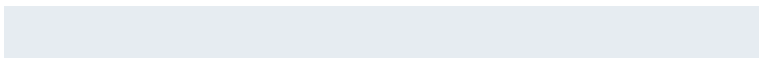
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.6081, 83.0956, 89.6324



77.9199, 83.0956, 86.9369



78.4288, 83.0956, 94.9844

Complementary

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



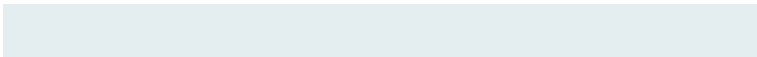
80.6081, 83.0956, 89.6324



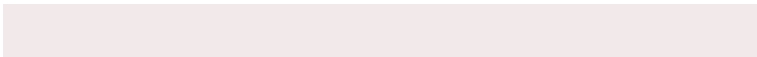
81.2367, 87.1808, 95.7694

Split Complementary

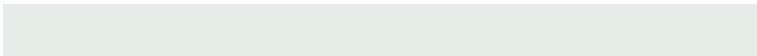
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.7339, 83.0956, 93.5608



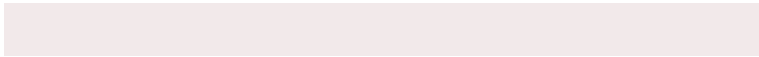
80.6081, 83.0956, 89.6324



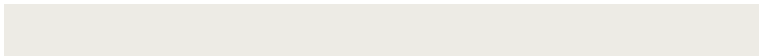
77.4416, 83.0956, 88.9042

Square

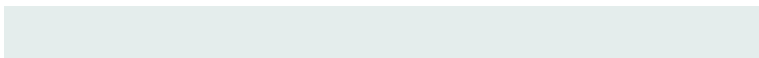
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



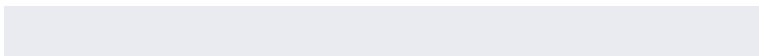
80.6081, 83.0956, 89.6324



78.6844, 83.0956, 85.9241



77.3737, 83.0956, 91.3269



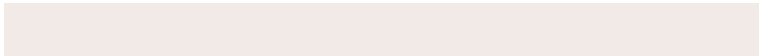
79.2761, 83.0956, 95.1879

Rectangle

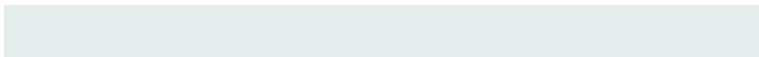
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.6081, 83.0956, 89.6324



79.7955, 83.0956, 86.4459



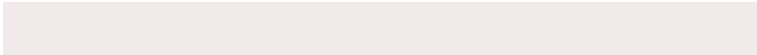
77.3737, 83.0956, 91.3269



78.1698, 83.0956, 94.6315

Sweetspot

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



80.6104, 83.0992, 89.6342



93.8789, 98.2386, 106.7190



81.4269, 83.3843, 95.8085



20.1063, 21.0457, 22.8653



0.0000, 0.0000, 0.0000



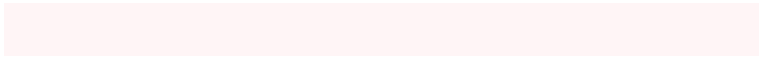
20.3446, 21.4041, 23.3091

Same Dimension

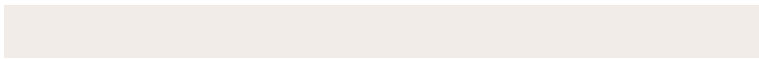
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.6104, 83.0992, 89.6342



90.4556, 93.0933, 100.3330



81.4535, 85.0137, 89.2114



16.7932, 17.2117, 18.5125



19.8006, 10.1927, 1.6008



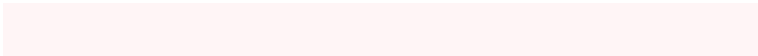
1.6705, 0.8572, 0.2557

Inverse Universe

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



80.6104, 83.0992, 89.6342



90.4556, 93.0933, 100.3330



80.3692, 85.2071, 96.2161



16.7932, 17.2117, 18.5125



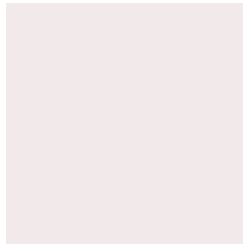
19.8006, 10.1927, 1.6008



1.6705, 0.8572, 0.2557

Previews

White Background



This preview shows how the XYZ color 80.6081, 83.0956, 89.6324 looks on a white background.

Color Contrast Check

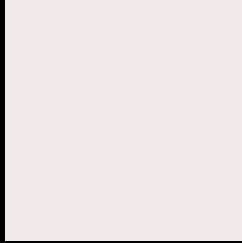
Large Text (above 18pt) WCAG AA × Fail

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 80.6081, 83.0956, 89.6324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

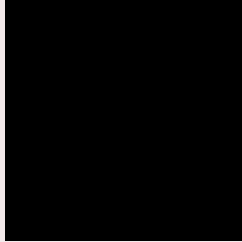
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

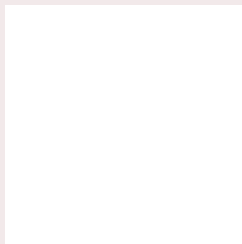
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.6081, 83.0956, 89.6324

Background



This preview shows how black text looks on a background with the XYZ color 80.6081, 83.0956, 89.6324.



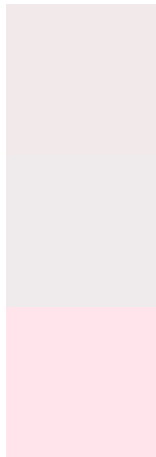
This preview shows how white text looks on a background with the XYZ color 80.6081, 83.0956,

89.6324.

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

80.6081, 83.0956, 89.6324

Protanopia

80.0148, 83.1945, 90.4382

Deuteranopia

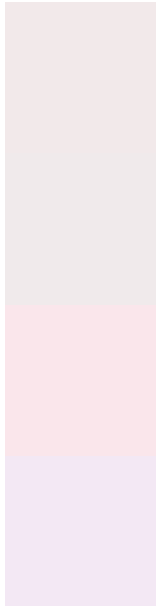
83.9788, 82.7450, 90.1425



Tritanopia

82.9830, 83.2245, 101.3128

Trichromacy



Original Color

80.6081, 83.0956, 89.6324

Protanomaly

80.3534, 83.3691, 90.4540

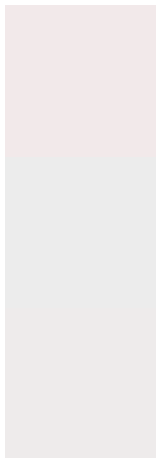
Deuteranomaly

82.7166, 82.9158, 90.2420

Tritanomaly

82.1479, 83.2996, 97.3367

Monochromacy



Original Color

80.6081, 83.0956, 89.6324

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

79.9636, 83.5920, 90.5176

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.6081, 83.0956, 89.6324 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(242, 233, 234) looks like.

```
.text, #text, p{  
    color:rgb(242, 233, 234)  
}
```

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(242, 233, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 233, 234) }
```

Border

The CSS property to change the border of an element to XYZ 80.6081, 83.0956, 89.6324 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(242, 233, 234) }
```


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

```
.border{ border-color:rgb(242, 233, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 233, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 233, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 233, 234);  
box-shadow:4px 4px 4px 4px rgb(242, 233,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 80.6081, 83.0956, 89.6324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 233, 234) }
```

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

```
.background{ background-color: rgb(242,  
233, 234) }
```

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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