

Converting Colors

XYZ(80.2627, 87.8878, 93.3723)

Have a look what the booklet for
XYZ(80.2627, 87.8878, 93.3723)
contains.

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Color

**XYZ(80.3981, 88.1359,
93.6634)**

Conversions

Conversions Part 1

Format	Color
Hex	E5F5EE
RGB	229, 245, 238
RGB Percent	90%, 96%, 93%
CMY	0.1020, 0.0392, 0.0667
CMYK	0.07, 0.00, 0.03, 0.04
HSL	154°, 44%, 93%
HSV	154°, 7%, 96%
XYZ	80.3981, 88.1359, 93.6634
YIQ	239.4180, -7.2890, -5.5690

Conversions

Conversions Part 2

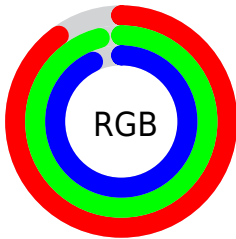
Format	Color
R_{YB}	229, 239, 245
Decimal	15070702
CIE Lab	95.22, -6.52, 1.55
CIE LCh	95, 6.702, 166.668
Yxy	88.1359, 0.3066, 0.3361
Android (android.graphics.Color)	4293260782 (0xFFE5F5EE)
YUV	239.4180, -0.6991, -9.1366
Hunter-Lab	93.8807, -11.4264, 6.5638

Details

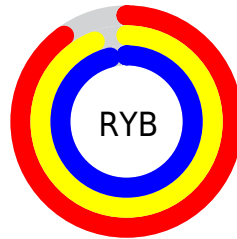
The XYZ color **80.3981, 88.1359, 93.6634** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **80.8190, 81.5094, 90.8343**, and the grayscale version is **82.3812, 86.6715, 94.3852**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.0967, 48.7713, 51.3456** is the 20% darker color. If you saturate the color by 10%, you get **71.5973, 83.7780, 85.2726**, and if you desaturate by 10%, it is **90.4010, 93.1076, 102.6039**.

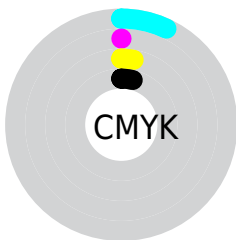
Distribution



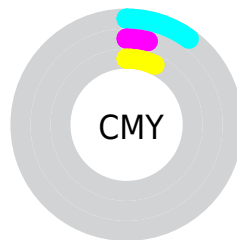
- Red (90%)
- Green (96%)
- Blue (93%)



- Red (90%)
- Yellow (94%)
- Blue (96%)



- Cyan (7%)
- Magenta (0%)
- Yellow (3%)
- Black (4%)



- Cyan (10%)
- Magenta (4%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.3981, 88.1359, 93.6634 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 80.3981, 88.1359, 93.6634 by changing the saturation by 10% instead.

80.3981, 88.1359,
93.6634

80.3981, 88.1359,
93.6634

484.9896,
521.9482, 560.7517

60.3556, 66.4356,
70.4323

132.8729,
144.7463, 154.3964

43.9559, 48.6261,
51.4001

166.0359,
180.4253, 192.7354

30.8336, 34.3230,
36.1482

204.3031,
221.5326, 236.9474

20.6234, 23.1418,
24.2580

248.0398,
268.4527, 287.4509

12.9599, 14.6983,
15.3112

297.6115,
321.5698, 344.6646

7.4777, 8.6079,
8.8890

353.3834,

3.8116, 4.4863,

381.2686, 409.0069

4.5730

415.7210,
447.9332, 480.8965

■ 1.5961, 1.9492,
1.9447

■ 0.3899, 0.5777,
0.5209

■ 80.3981, 88.1359,
93.6634

■ 80.3981, 88.1359,
93.6634

■ 71.5973, 83.7780,
85.2726

■ 90.4010, 93.1076,
102.6039

■ 63.9435, 79.9983,
77.4151

■ 91.9441, 93.7882,
107.8647

■ 57.3884, 76.7746,
70.0817

■ 51.8772, 74.0787,
63.2610

■ 47.3501, 71.8801,
56.9409

■ 43.7413, 70.1450,
51.1089

■ 40.9760, 68.8352,
45.7517

■ 38.9670, 67.9058,
40.8552

■ 37.6056, 67.3011,
36.4037

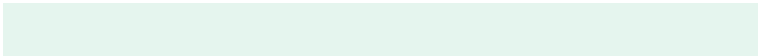
Harmonies

Analogous

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



81.2408, 88.1359, 89.2244



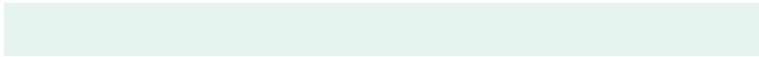
80.3981, 88.1359, 93.6634



80.4496, 88.1359, 98.8801

Triad

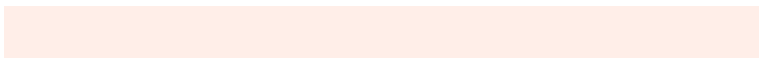
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.3981, 88.1359, 93.6634



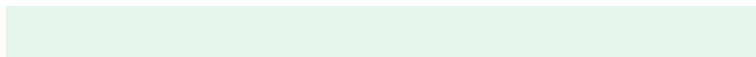
84.7823, 88.1359, 105.9307



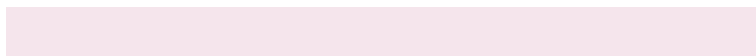
86.2047, 88.1359, 88.8304

Complementary

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



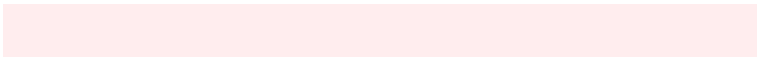
80.3981, 88.1359, 93.6634



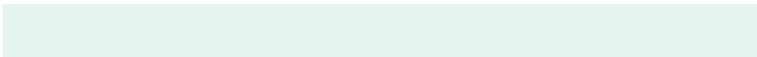
80.8190, 81.5094, 90.8343

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.



87.1816, 88.1359, 93.1078



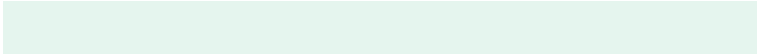
80.3981, 88.1359, 93.6634



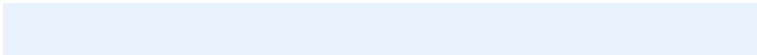
86.3522, 88.1359, 103.0368

Square

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



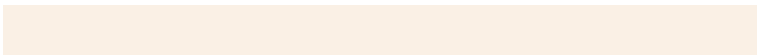
80.3981, 88.1359, 93.6634



82.9630, 88.1359, 106.0927



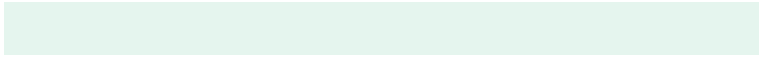
87.2360, 88.1359, 98.3040



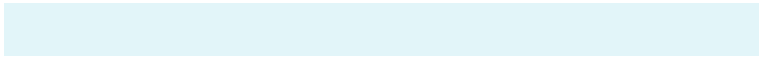
84.5833, 88.1359, 86.5032

Rectangle

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



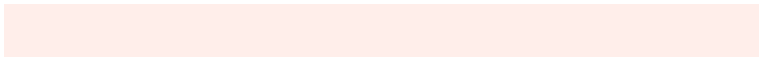
80.3981, 88.1359, 93.6634



80.9839, 88.1359, 102.1002



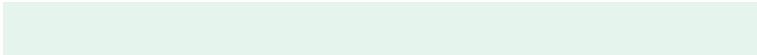
87.2360, 88.1359, 98.3040



86.6204, 88.1359, 90.0807

Sweetspot

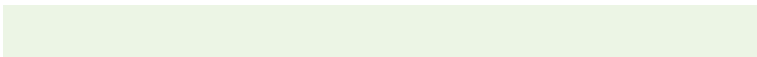
The Sweet Spot groups the original color and five complimentary colors.



80.4006, 88.1396, 93.6653



92.8412, 98.9026, 106.9318



81.4568, 88.8332, 86.9832



19.8950, 21.1807, 22.9085



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

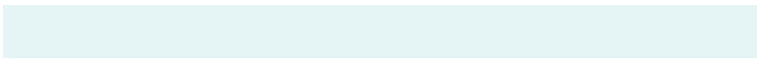
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.4006, 88.1396, 93.6653



86.5347, 95.7724, 101.1720



81.2084, 88.0763, 99.1110



16.6725, 18.6281, 19.5598



20.1241, 36.1945, 19.2053



1.8203, 3.2018, 1.9596

Inverse Universe

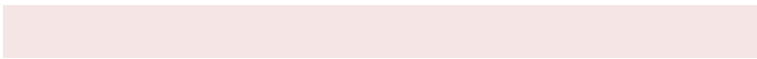
The Inverse Universe completely reimagines the original color for something new.



80.8190, 81.5094, 90.8343



87.0914, 86.9509, 97.4054



80.0429, 81.5541, 85.6527



16.8003, 16.6030, 18.6952



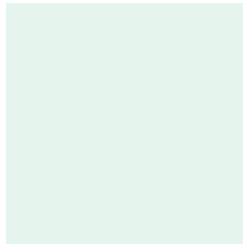
21.7889, 11.0590, 8.8626



1.9657, 0.9922, 1.0458

Previews

White Background



This preview shows how the XYZ color 80.3981, 88.1359, 93.6634 looks on a white background.

Color Contrast Check

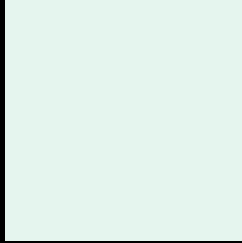
Large Text (above 18pt) WCAG AA × Fail

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 80.3981, 88.1359, 93.6634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

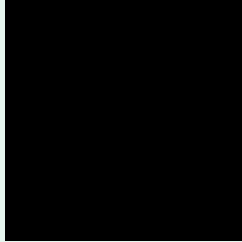
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

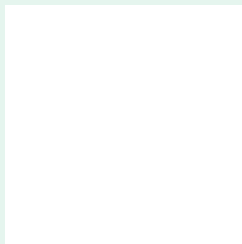
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.3981, 88.1359, 93.6634

Background



This preview shows how black text looks on a background with the XYZ color 80.3981, 88.1359, 93.6634.



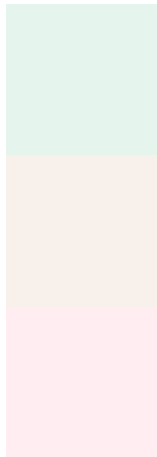
This preview shows how white text looks on a background with the XYZ color 80.3981, 88.1359,

93.6634.

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

80.3981, 88.1359, 93.6634

Protanopia

84.5133, 88.0925, 91.1465

Deuteranopia

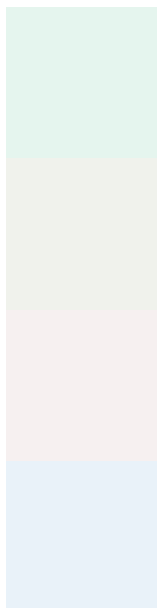
87.4014, 88.1792, 95.6328



Tritanopia

83.7662, 87.7928, 107.1385

Trichromacy



Original Color

80.3981, 88.1359, 93.6634

Protanomaly

82.8276, 88.0857, 91.9936

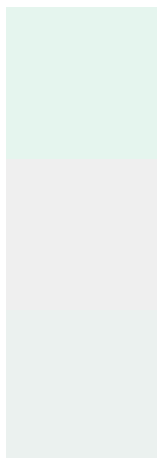
Deuteranomaly

84.8943, 88.2043, 94.9888

Tritanomaly

82.4553, 87.6675, 102.1982

Monochromacy



Original Color

80.3981, 88.1359, 93.6634

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

81.2962, 86.8048, 94.1316

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.3981, 88.1359, 93.6634 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(229, 245, 238) looks like.

```
.text, #text, p{  
    color:rgb(229, 245, 238)  
}
```

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(229, 245, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 245, 238) }
```

Border

The CSS property to change the border of an element to XYZ 80.3981, 88.1359, 93.6634 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(229, 245, 238) }
```


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

```
.border{ border-color:rgb(229, 245, 238) }
```

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

Here you see how a box with a 4 pixel rgb(229, 245, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 245, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 245, 238);  
box-shadow:4px 4px 4px 4px rgb(229, 245,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 80.3981, 88.1359, 93.6634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 245, 238) }
```

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

```
.background{ background-color: rgb(229,  
245, 238) }
```

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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