

Converting Colors

XYZ(80.0049, 87.8328, 94.1074)

Have a look what the booklet for
XYZ(80.0049, 87.8328, 94.1074)
contains.

XYZ(80.2273, 88.0308, 94.4246)	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(80.2273, 88.0308,
94.4246)**

Conversions

Conversions Part 1

Format	Color
Hex	E4F5EF
RGB	228, 245, 239
RGB Percent	89%, 96%, 94%
CMY	0.1059, 0.0392, 0.0627
CMYK	0.07, 0.00, 0.02, 0.04
HSL	159°, 46%, 93%
HSV	159°, 7%, 96%
XYZ	80.2273, 88.0308, 94.4246
YIQ	239.2330, -8.2060, -5.4700

Conversions

Conversions Part 2

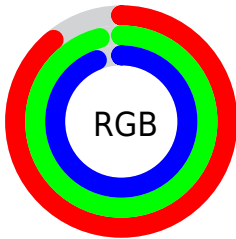
Format	Color
R _Y B	228, 238, 245
Decimal	15005167
CIE Lab	95.17, -6.67, 0.96
CIE LCh	95, 6.734, 171.844
Yxy	88.0308, 0.3054, 0.3351
Android (android.graphics.Color)	4293195247 (0xFFE4F5EF)
YUV	239.2330, -0.1149, -9.8513
Hunter-Lab	93.8247, -11.5622, 6.0082

Details

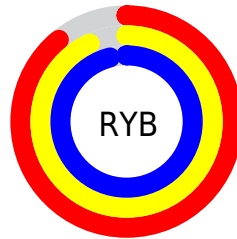
The XYZ color **80.2273, 88.0308, 94.4246** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.2541, 80.8421, 89.2203**, and the grayscale version is **82.2331, 86.5156, 94.2155**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.9784, 48.6983, 51.8816** is the 20% darker color. If you saturate the color by 10%, you get **71.7517, 83.8081, 87.5165**, and if you desaturate by 10%, it is **89.8705, 92.8533, 101.7103**.

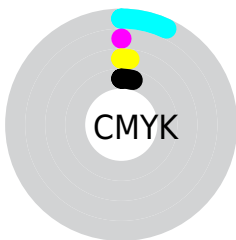
Distribution



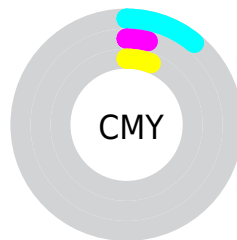
- Red (89%)
- Green (96%)
- Blue (94%)



- Red (89%)
- Yellow (93%)
- Blue (96%)



- Cyan (7%)
- Magenta (0%)
- Yellow (2%)
- Black (4%)



- Cyan (11%)
- Magenta (4%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.2273, 88.0308, 94.4246 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 80.2273, 88.0308, 94.4246 by changing the saturation by 10% instead.

80.2273, 88.0308,
94.4246

80.2273, 88.0308,
94.4246

484.4234,
521.6041, 563.2585

60.2145, 66.3486,
71.0619

132.6341,
144.6000, 155.4582

43.8417, 48.5554,
51.9106

165.7588,
180.2558, 193.9661

30.7434, 34.2669,
36.5521

203.9849,
221.3383, 238.3596

20.5544, 23.0987,
24.5678

247.6778,
268.2318, 289.0571

12.9093, 14.6664,
15.5393

297.2027,
321.3207, 346.4772

7.4427, 8.5856,
9.0479

352.9250,

3.7892, 4.4719,

380.9895, 411.0384

4.6752

415.2101,
447.6225, 483.1594

■ 1.5836, 1.9409,
2.0026

■ 0.3817, 0.5728,
0.5569

■ 80.2273, 88.0308,
94.4246

■ 80.2273, 88.0308,
94.4246

■ 71.7517, 83.8081,
87.5165

■ 89.8705, 92.8533,
101.7103

■ 64.3893, 80.1498,
80.9736

■ 91.9441, 93.7882,
107.8647

■ 58.0924, 77.0340,
74.7910

■ 52.8069, 74.4328,
68.9616

■ 48.4737, 72.3158,
63.4779

■ 45.0274, 70.6495,
58.3319

■ 42.3938, 69.3957,
53.5153

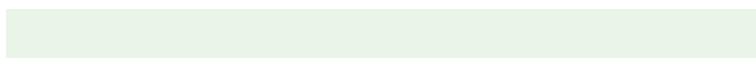
■ 40.4861, 68.5098,
49.0189

■ 39.1938, 67.9349,
44.8324

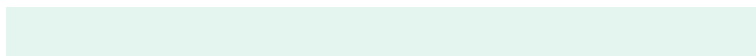
Harmonies

Analogous

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



80.9275, 88.0308, 89.7440



80.2273, 88.0308, 94.4246



80.4391, 88.0308, 99.6588

Triad

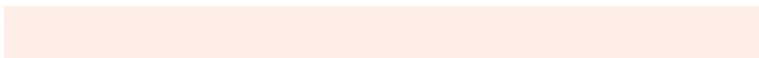
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.2273, 88.0308, 94.4246



84.9900, 88.0308, 105.5364



85.8688, 88.0308, 88.1244

Complementary

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



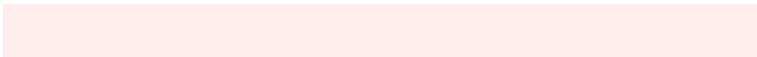
80.2273, 88.0308, 94.4246



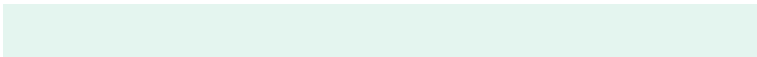
80.2541, 80.8421, 89.2203

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.



86.9876, 88.0308, 92.1406



80.2273, 88.0308, 94.4246



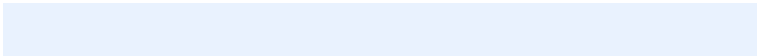
86.4751, 88.0308, 102.2281

Square

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



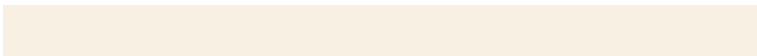
80.2273, 88.0308, 94.4246



83.1712, 88.0308, 106.2023



87.2111, 88.0308, 97.2908



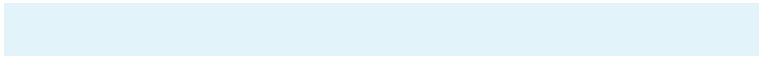
84.1720, 88.0308, 86.1944

Rectangle

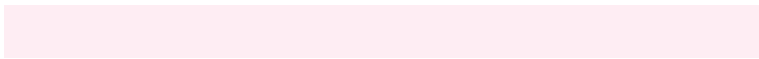
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



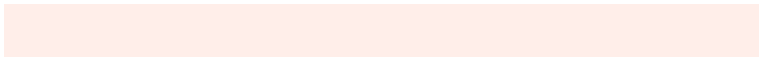
80.2273, 88.0308, 94.4246



81.0703, 88.0308, 102.7489



87.2111, 88.0308, 97.2908



86.3260, 88.0308, 89.2681

Sweetspot

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



80.2298, 88.0345, 94.4265



92.9099, 98.9301, 107.2936



80.6673, 88.4422, 86.2195



19.9090, 21.1863, 22.9822



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.



80.2298, 88.0345, 94.4265



86.8008, 95.8789, 102.5736



80.4501, 87.0319, 98.9493



16.7338, 18.6526, 19.8823



21.0065, 36.5474, 23.8516



1.8949, 3.2316, 2.3527

Inverse Universe

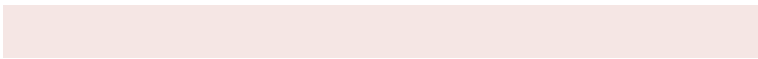
The Inverse Universe completely reimagines the original color for something new.



80.2541, 80.8421, 89.2203



86.8313, 86.8468, 96.0359



80.0337, 81.7584, 84.9628



16.7408, 16.5792, 18.3815



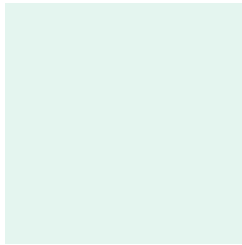
21.2615, 10.8480, 6.0853



1.9156, 0.9722, 0.7821

Previews

White Background



This preview shows how the XYZ color 80.2273, 88.0308, 94.4246 looks on a white background.

Color Contrast Check

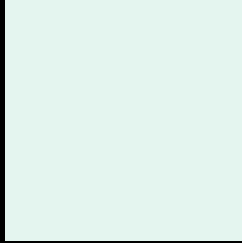
Large Text (above 18pt) WCAG AA × Fail

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 80.2273, 88.0308, 94.4246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

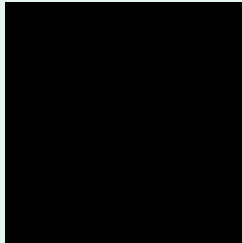
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

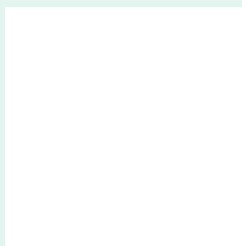
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.2273, 88.0308, 94.4246

Background



This preview shows how black text looks on a background with the XYZ color 80.2273, 88.0308, 94.4246.



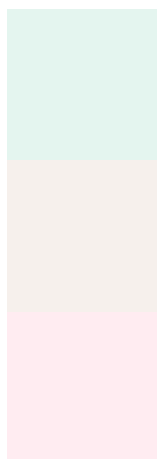
This preview shows how white text looks on a background with the XYZ color 80.2273, 88.0308,

94.4246.

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

80.2273, 88.0308, 94.4246

Protanopia

84.3064, 87.9691, 91.8932

Deuteranopia

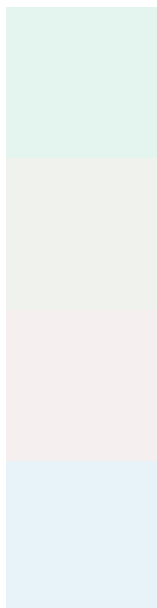
87.1126, 87.6018, 95.5366



Tritanopia

83.4370, 87.6230, 107.1231

Trichromacy



Original Color

80.2273, 88.0308, 94.4246

Protanomaly

82.6348, 87.9694, 92.7452

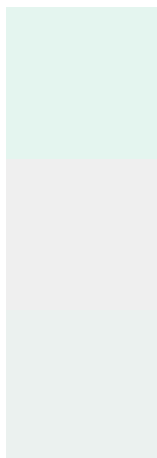
Deuteranomaly

84.2509, 87.4368, 94.8746

Tritanomaly

82.1297, 87.4996, 102.1829

Monochromacy



Original Color

80.2273, 88.0308, 94.4246

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 80.2273, 88.0308, 94.4246 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(228, 245, 239) looks like.

```
.text, #text, p{  
    color:rgb(228, 245, 239)  
}
```

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(228, 245, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 245, 239) }
```

Border

The CSS property to change the border of an element to XYZ 80.2273, 88.0308, 94.4246 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(228, 245, 239) }
```


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

```
.border{ border-color:rgb(228, 245, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 245, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 245, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 245, 239);  
box-shadow:4px 4px 4px 4px rgb(228, 245,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 80.2273, 88.0308, 94.4246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 245, 239) }
```

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

```
.background{ background-color: rgb(228,  
245, 239) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor