

Converting Colors

XYZ(87.3351, 93.0185, 90.5503)

Have a look what the booklet for
XYZ(87.3351, 93.0185, 90.5503)
contains.

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Color

**XYZ(87.3423, 93.1577,
90.4686)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | F9F8E9 |
| RGB | 249, 248, 233 |
| RGB Percent | 98%, 97%, 91% |
| CMY | 0.0235, 0.0274, 0.0863 |
| CMYK | 0.00, 0.00, 0.06, 0.02 |
| HSL | 56°, 57%, 95% |
| HSV | 56°, 6%, 98% |
| XYZ | 87.3423, 93.1577, 90.4686 |
| YIQ | 246.5890, 5.4110, -4.4530 |

Conversions

Conversions Part 2

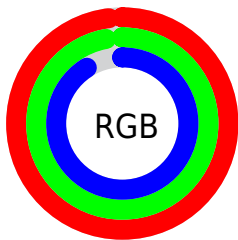
| Format | Color |
|-------------------------------------|------------------------------|
| RYB | 234, 249, 233 |
| Decimal | 16382185 |
| CIELab | 97.29, -2.22, 7.31 |
| CIELCh | 97, 7.637, 106.887 |
| Yxy | 93.1577, 0.3223, 0.3438 |
| Android (android.graphics.Color) | 4294572265 (0xFFFF9F8E9) |
| YUV | 246.5890, -6.6994, 2.1144 |
| Hunter-Lab | 96.5182, -7.3768, 11.9890 |

Details

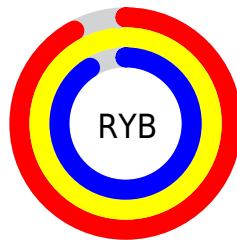
The XYZ color **87.3423, 93.1577, 90.4686** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **80.1260, 83.0076, 101.4226**, and the grayscale version is **88.1261, 92.7156, 100.9673**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.7778, 52.2111, 49.1019** is the 20% darker color. If you saturate the color by 10%, you get **83.5600, 90.8889, 72.8794**, and if you desaturate by 10%, it is **91.1649, 95.4550, 108.2275**.

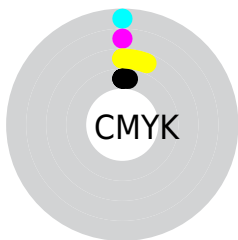
Distribution



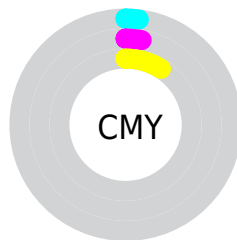
- Red (98%)
- Green (97%)
- Blue (91%)



- Red (92%)
- Yellow (98%)
- Blue (91%)



- Cyan (0%)
- Magenta (0%)
- Yellow (6%)
- Black (2%)



- Cyan (2%)
- Magenta (3%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 87.3423, 93.1577, 90.4686 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 87.3423, 93.1577, 90.4686 by changing the saturation by 10% instead.

87.3423, 93.1577,
90.4686

87.3423, 93.1577,
90.4686

507.7147,
538.2501, 550.1634

66.1075, 70.6026,
67.7935

142.5384,
151.7169, 149.9303

48.6277, 52.0179,
49.2641

177.2303,
188.4898, 187.5540

34.5376, 37.0194,
34.4619

217.1387,
230.7708, 230.9976

23.4717, 25.2225,
22.9685

262.6289,
278.9442, 280.6797

15.0648, 16.2429,
14.3651

314.0663,
333.3944, 337.0187

8.9515, 9.6962,
8.2334

371.8161,

4.7664, 5.1980,

394.5059, 400.4334

4.1548

436.2438,
462.6630, 471.3421

■ 2.1442, 2.3639,
1.7106

■ 0.7131, 0.8072,
0.3680

■ 87.3423, 93.1577,
90.4686

■ 87.3423, 93.1577,
90.4686

■ 83.5600, 90.8889,
72.8794

■ 91.1649, 95.4550,
108.2275

■ 80.2602, 88.8163,
57.8229

■ 91.6471, 96.4194,
108.3882

■ 77.4230, 86.9351,
45.1835

■ 92.1333, 97.3918,
108.5503

■ 75.0243, 85.2356,
34.8338

■ 92.6234, 98.3721,
108.7137

73.0378, 83.7071,
26.6352

92.8774, 98.8800,
108.7983

71.4342, 82.3381,
20.4337

70.1803, 81.1151,
16.0550

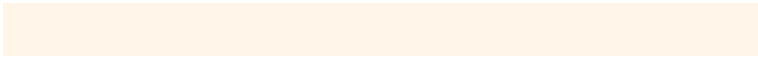
69.2375, 80.0228,
13.2951

68.5573, 79.0417,
11.8988

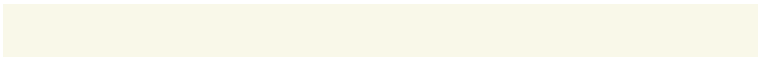
Harmonies

Analogous

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



89.4895, 93.1577, 90.2809



87.3423, 93.1577, 90.4686



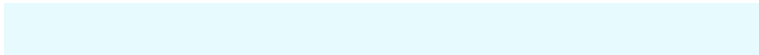
85.5454, 93.1577, 93.5167

Triad

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



87.3423, 93.1577, 90.4686



85.7345, 93.1577, 110.3687



92.6516, 93.1577, 104.1563

Complementary

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



87.3423, 93.1577, 90.4686



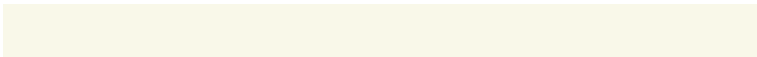
80.1260, 83.0076, 101.4226

Split Complementary

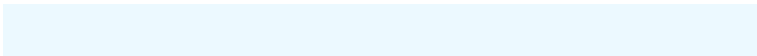
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.6111, 93.1577, 109.7837



87.3423, 93.1577, 90.4686



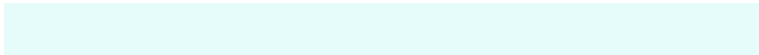
87.6044, 93.1577, 113.4675

Square

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



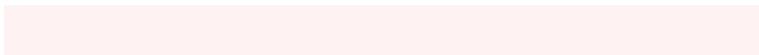
87.3423, 93.1577, 90.4686



84.6275, 93.1577, 104.9284



89.7559, 93.1577, 113.2491



92.5787, 93.1577, 98.0159

Rectangle

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



87.3423, 93.1577, 90.4686



84.7773, 93.1577, 96.8337



89.7559, 93.1577, 113.2491



92.4198, 93.1577, 106.1755

Sweetspot

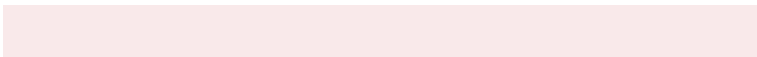
The Sweet Spot groups the original color and five complimentary colors.



87.3449, 93.1618, 90.4706



94.1385, 99.4736, 104.5990



83.0679, 84.3633, 89.7991



20.1591, 21.2970, 22.4335



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.



87.3449, 93.1618, 90.4706



91.5341, 97.9480, 92.3761



85.2257, 92.5248, 90.4594



18.6295, 19.9948, 18.3399



36.6263, 42.2092, 6.2168



3.4194, 3.9637, 0.5848

Inverse Universe

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



80.1260, 83.0076, 101.4226



82.1368, 84.7297, 106.6331



82.1516, 83.6324, 101.4364



16.3697, 16.8162, 21.7684



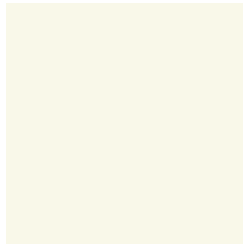
9.2811, 3.9178, 48.2406



0.8890, 0.4217, 4.4777

Previews

White Background



This preview shows how the XYZ color 87.3423, 93.1577, 90.4686 looks on a white background.

Color Contrast Check

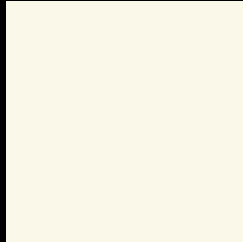
Large Text (above 18pt) WCAG AA × Fail

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 87.3423, 93.1577, 90.4686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

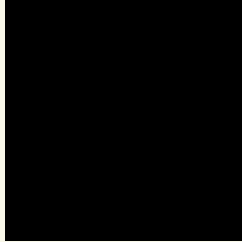
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 87.3423, 93.1577, 90.4686

Background



This preview shows how black text looks on a background with the XYZ color 87.3423, 93.1577, 90.4686.



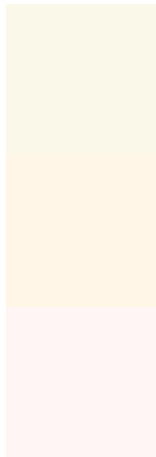
This preview shows how white text looks on a background with the XYZ color 87.3423, 93.1577,

90.4686.

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

87.3423, 93.1577, 90.4686

Protanopia

88.7613, 92.9977, 89.6161

Deuteranopia

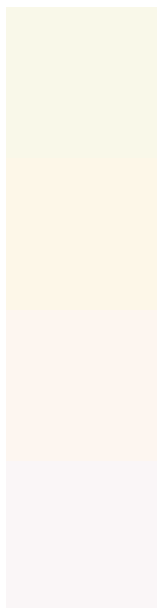
90.2215, 93.0965, 98.8022



Tritanopia

90.1267, 92.8488, 107.7792

Trichromacy



Original Color

87.3423, 93.1577, 90.4686

Protanomaly

88.3343, 93.2304, 89.6835

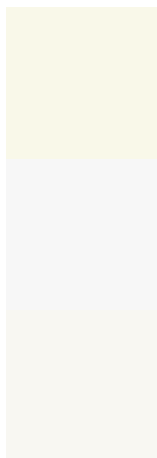
Deuteranomaly

89.1920, 93.0855, 95.7044

Tritanomaly

89.1686, 92.9509, 101.2373

Monochromacy



Original Color

87.3423, 93.1577, 90.4686

Achromatopsia

88.4070, 93.0111, 101.2891

Achromatomaly

87.9992, 92.8888, 97.2957

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.3423, 93.1577, 90.4686 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(249, 248, 233) looks like.

```
.text, #text, p{  
    color:rgb(249, 248, 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(249, 248, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 248, 233) }
```

Border

The CSS property to change the border of an element to XYZ 87.3423, 93.1577, 90.4686 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(249, 248, 233) }
```


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

```
.border{ border-color:rgb(249, 248, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 248, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 248, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 248, 233);  
box-shadow:4px 4px 4px 4px rgb(249, 248,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 87.3423, 93.1577, 90.4686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 248, 233) }
```

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

```
.background{ background-color: rgb(249,  
248, 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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