

Converting Colors

XYZ(100.5271, 100.0000,
80.2403)

Have a look what the booklet for
XYZ(100.5271, 100.0000, 80.2403)
contains.

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Color

**XYZ(87.4623, 93.4568,
79.7589)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF8DA
RGB	255, 248, 218
RGB Percent	100%, 97%, 85%
CMY	0.0000, 0.0274, 0.1451
CMYK	0.00, 0.03, 0.15, 0.00
HSL	49°, 100%, 93%
HSV	49°, 15%, 100%
XYZ	87.4623, 93.4568, 79.7589
YIQ	246.6730, 13.8020, -7.8460

Conversions

Conversions Part 2

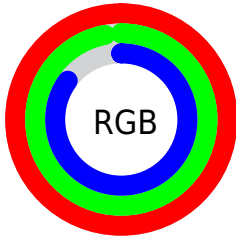
Format	Color
R_{YB}	227, 255, 218
Decimal	16775386
CIE _{Lab}	97.41, -2.52, 15.25
CIE _{LCh}	97, 15.456, 99.376
Yxy	93.4568, 0.3355, 0.3585
Android (android.graphics.Color)	4294965466 (0xFFFFF8DA)
YUV	246.6730, -14.1358, 7.3028
Hunter-Lab	96.6731, -7.6849, 18.7547

Details

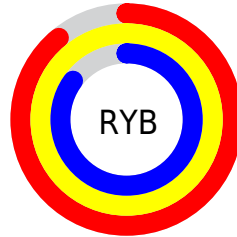
The XYZ color **87.4623, 93.4568, 79.7589** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **73.8881, 75.9738, 105.3778**, and the grayscale version is **88.2478, 92.8435, 101.1066**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.7492, 52.3494, 42.1854** is the 20% darker color. If you saturate the color by 10%, you get **82.9165, 89.3007, 63.0279**, and if you desaturate by 10%, it is **92.5641, 97.9025, 99.2104**.

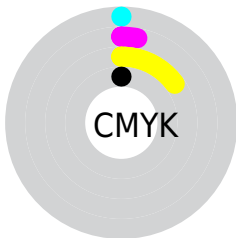
Distribution



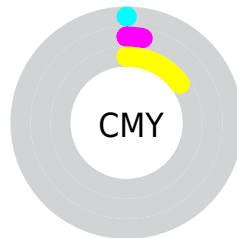
- Red (100%)
- Green (97%)
- Blue (85%)



- Red (89%)
- Yellow (100%)
- Blue (85%)



- Cyan (0%)
- Magenta (3%)
- Yellow (15%)
- Black (0%)





- Cyan (0%)
- Magenta (3%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 87.4623, 93.4568, 79.7589 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 87.4623, 93.4568, 79.7589 by changing the saturation by 10% instead.


 87.4623, 93.4568,
79.7589

 87.4623, 93.4568,
79.7589


508.1026,
539.2127, 513.8053

 66.2072, 70.8512,
58.9950

142.7047,
152.1309, 134.8350

 48.7089, 52.2208,
42.1891


177.4227,
188.9682, 169.9843

 34.6022, 37.1811,
28.9227


217.3589,
231.3182, 210.7658

 23.5217, 25.3477,
18.7773

262.8789,
279.5653, 257.5981

 15.1020, 16.3363,
11.3343

314.3479,
334.0939, 310.8996

 8.9778, 9.7625,
6.1752

372.1312,

 4.7837, 5.2417,

395.2884, 371.0889

2.8814

436.5944,
463.5332, 438.5846

■ 2.1544, 2.3898,
1.0344

■ 0.7185, 0.8206,
0.0000

■ 87.4623, 93.4568,
79.7589

■ 87.4623, 93.4568,
79.7589

■ 82.9165, 89.3007,
63.0279

■ 92.5641, 97.9025,
99.2104

■ 78.8964, 85.4125,
48.8881

95.0500, 100.0000,
108.9000

■ 75.3788, 81.7854,
37.2088

■ 72.3359, 78.4079,
27.8453

■ 69.7371, 75.2672,
20.6377

■ 67.5479, 72.3492,
15.4060

■ 65.7283, 69.6372,
11.9404

■ 64.2290, 67.1112,
9.9841

■ 63.5039, 65.7878,
9.3513

Harmonies

Analogous

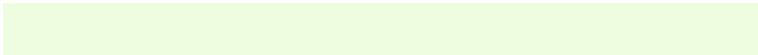
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.8289, 93.4568, 80.8041



87.4623, 93.4568, 79.7589



83.5891, 93.4568, 84.2222

Triad

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



87.4623, 93.4568, 79.7589



82.4727, 93.4568, 117.8476



96.9492, 93.4568, 110.4970

Complementary

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



87.4623, 93.4568, 79.7589



73.8881, 75.9738, 105.3778

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.



94.2811, 93.4568, 121.5744



87.4623, 93.4568, 79.7589



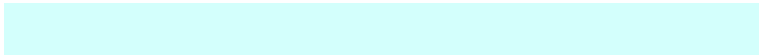
85.8930, 93.4568, 126.0546

Square

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



87.4623, 93.4568, 79.7589



80.7714, 93.4568, 105.7406



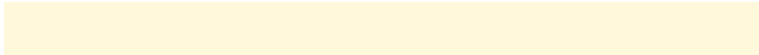
90.2076, 93.4568, 127.4718



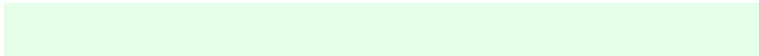
97.4030, 93.4568, 97.8778

Rectangle

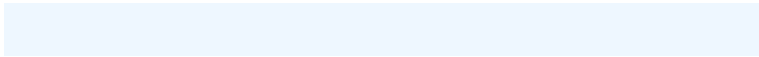
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.4623, 93.4568, 79.7589



81.7728, 93.4568, 89.9547



90.2076, 93.4568, 127.4718



96.2775, 93.4568, 114.5523

Sweetspot

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



87.4645, 93.4608, 79.7609



92.8389, 98.1363, 100.2753



79.9574, 76.8620, 82.1434



19.7845, 20.9313, 21.1268



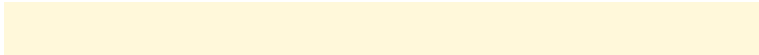
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

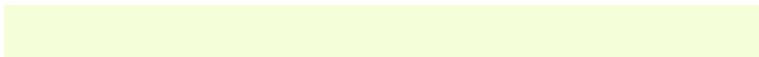
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.4645, 93.4608, 79.7609



86.2809, 92.3985, 75.3433



85.6889, 95.7974, 80.3055



19.2522, 20.4726, 19.0812



33.2865, 34.5843, 4.9210



3.3128, 3.5109, 0.5031

Inverse Universe

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



73.8881, 75.9738, 105.3778



70.6529, 72.2698, 104.8334



75.4674, 74.0385, 104.9210



17.2808, 17.9332, 22.8006



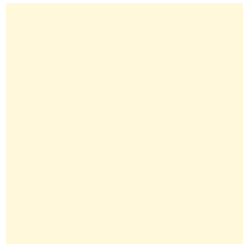
10.0670, 5.0435, 49.8775



1.0504, 0.6315, 4.8798

Previews

White Background



This preview shows how the XYZ color 87.4623, 93.4568, 79.7589 looks on a white background.

Color Contrast Check

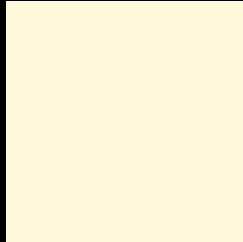
Large Text (above 18pt) WCAG AA × Fail

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 87.4623, 93.4568, 79.7589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

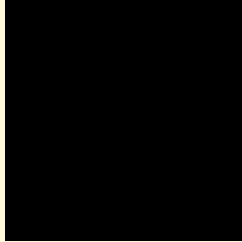
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 87.4623, 93.4568, 79.7589

Background



This preview shows how black text looks on a background with the XYZ color 87.4623, 93.4568, 79.7589.



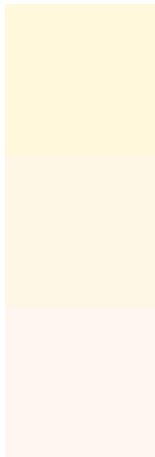
This preview shows how white text looks on a background with the XYZ color 87.4623, 93.4568,

79.7589.

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

87.4623, 93.4568, 79.7589

Protanopia

88.6436, 93.4387, 87.4922

Deuteranopia

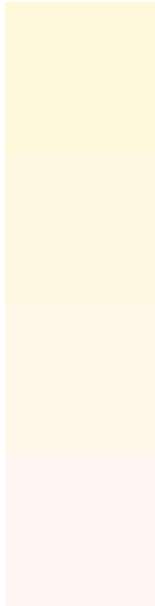
90.2228, 93.5823, 97.3123



Tritanopia

91.6407, 93.1814, 107.7636

Trichromacy



Original Color

87.4623, 93.4568, 79.7589

Protanomaly

88.0914, 93.2178, 84.5841

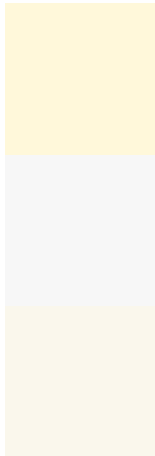
Deuteranomaly

89.2087, 93.6647, 90.4681

Tritanomaly

89.9194, 92.9756, 97.2112

Monochromacy



Original Color

87.4623, 93.4568, 79.7589

Achromatopsia

88.4070, 93.0111, 101.2891

Achromatomaly

87.8254, 92.9017, 92.6598

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.4623, 93.4568, 79.7589 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(255, 248, 218)` looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 218)  
}
```

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(255, 248, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 218) }
```

Border

The CSS property to change the border of an element to XYZ 87.4623, 93.4568, 79.7589 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(255, 248, 218) }
```


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

```
.border{ border-color:rgb(255, 248, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 248, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 218);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 87.4623, 93.4568, 79.7589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 248, 218) }
```

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

```
.background{ background-color: rgb(255,  
248, 218) }
```

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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