

Converting Colors

XYZ(90.9389, 100.0000,
89.3871)

Have a look what the booklet for
XYZ(90.9389, 100.0000, 89.3871)
contains.

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Color

**XYZ(89.8266, 97.7424,
88.9947)**

Conversions

Conversions Part 1

Format	Color
Hex	FBFFE6
RGB	251, 255, 230
RGB Percent	98%, 100%, 90%
CMY	0.0157, 0.0000, 0.0980
CMYK	0.02, 0.00, 0.10, 0.00
HSL	70°, 100%, 95%
HSV	70°, 10%, 100%
XYZ	89.8266, 97.7424, 88.9947
YIQ	250.9540, 5.6410, -8.6230

Conversions

Conversions Part 2

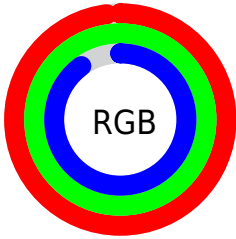
Format	Color
R_{YB}	230, 255, 234
Decimal	16515046
CIE Lab	99.12, -5.54, 11.49
CIE LCh	99, 12.752, 115.728
Yxy	97.7424, 0.3248, 0.3534
Android (android.graphics.Color)	4294705126 (0xFFFBFFE6)
YUV	250.9540, -10.3303, 0.0403
Hunter-Lab	98.8648, -10.8317, 15.8345

Details

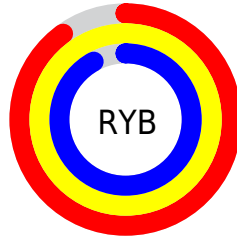
The XYZ color 89.8266, 97.7424, 88.9947 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 80.2793, 81.3072, 106.0704, and the grayscale version is 91.7354, 96.5128, 105.1025.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.0822, 54.9135, 48.0041 is the 20% darker color. If you saturate the color by 10%, you get 85.0497, 95.6638, 71.4252, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

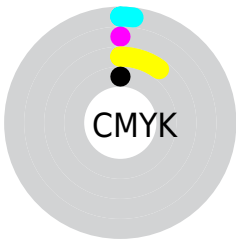
Distribution



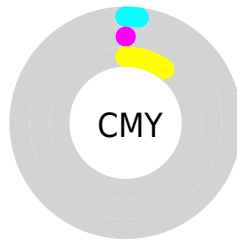
- Red (98%)
- Green (100%)
- Blue (90%)



- Red (90%)
- Yellow (100%)
- Blue (92%)



- Cyan (2%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)





- Cyan (2%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 89.8266, 97.7424, 88.9947 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 89.8266, 97.7424, 88.9947 by changing the saturation by 10% instead.


 89.8266, 97.7424,
88.9947

 89.8266, 97.7424,
88.9947

515.7129,
552.9077, 545.2407

 68.1726, 74.4196,
66.5781


145.9771,
158.0480, 147.8645

 50.3124, 55.1375,
48.2824


181.2043,
195.7995, 185.1548

 35.8805, 39.5118,
33.6890


221.6867,
239.1293, 228.2401

 24.5116, 27.1581,
22.3794

267.7895,
288.4219, 277.5390

 15.8403, 17.6920,
13.9350

319.8782,
344.0617, 333.4699

 9.5014, 10.7291,
7.9372

378.3181,

 5.1293, 5.8850,

406.4330, 396.4515

3.9676

443.4746,
475.9202, 466.9022

■ 2.3589, 2.7753,
1.6076

■ 0.8245, 1.0156,
0.2962

■ 89.8266, 97.7424,
88.9947

■ 89.8266, 97.7424,
88.9947

■ 85.0497, 95.6638,
71.4252

95.0500, 100.0000,
108.9000

■ 80.8049, 93.8015,
56.4955

■ 77.0683, 92.1462,
44.0789

■ 73.8134, 90.6872,
34.0367

■ 71.0112, 89.4127,
26.2170

■ 68.6292, 88.3099,
20.4499

■ 66.6302, 87.3639,
16.5414

■ 64.9703, 86.5569,
14.2603

■ 63.5790, 85.8609,
13.2363

Harmonies

Analogous

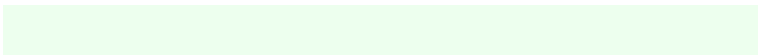
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.4358, 97.7424, 87.2519



89.8266, 97.7424, 88.9947



87.1072, 97.7424, 95.2866

Triad

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



89.8266, 97.7424, 88.9947



88.9260, 97.7424, 124.2918



100.2283, 97.7424, 107.9602

Complementary

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



89.8266, 97.7424, 88.9947



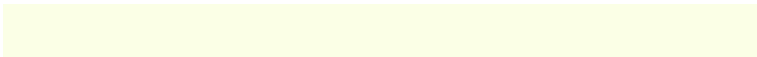
80.2793, 81.3072, 106.0704

Split Complementary

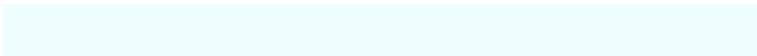
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



98.9466, 97.7424, 118.3989



89.8266, 97.7424, 88.9947



92.3687, 97.7424, 128.2190

Square

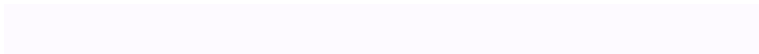
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



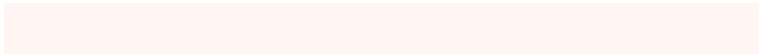
89.8266, 97.7424, 88.9947



86.5971, 97.7424, 115.5800



96.0452, 97.7424, 125.9941



99.5041, 97.7424, 97.7664

Rectangle

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



89.8266, 97.7424, 88.9947



86.1313, 97.7424, 101.4476



96.0452, 97.7424, 125.9941



100.0169, 97.7424, 111.5623

Sweetspot

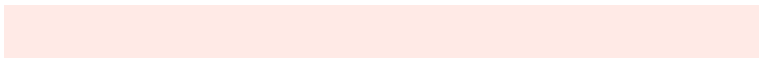
The Sweet Spot groups the original color and five complimentary colors.



89.8273, 97.7427, 88.9962



93.3938, 99.2857, 102.5208



84.8754, 85.6776, 86.9283



19.8972, 21.2111, 21.5880



0.0000, 0.0000, 0.0000



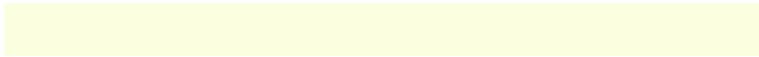
20.3446, 21.4041, 23.3091

Same Dimension

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



89.8273, 97.7427, 88.9962



88.7309, 97.2670, 84.9036



85.5559, 95.5407, 88.7963



19.2591, 20.9350, 19.1701



33.3143, 44.9122, 6.9131



3.3167, 4.4106, 0.6765

Inverse Universe

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



80.2793, 81.3072, 106.0704



77.2206, 77.4531, 105.4877



84.4414, 83.4529, 106.2652



17.2736, 17.5172, 22.7207



9.9844, 4.0576, 49.6915



1.0460, 0.4331, 4.8417

Previews

White Background



This preview shows how the XYZ color 89.8266, 97.7424, 88.9947 looks on a white background.

Color Contrast Check

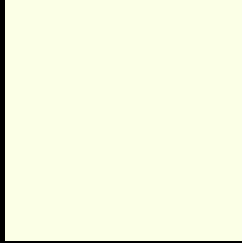
Large Text (above 18pt) WCAG AA × Fail

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 89.8266, 97.7424, 88.9947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

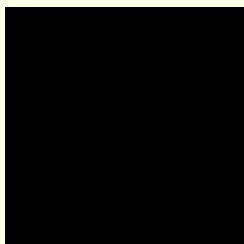
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

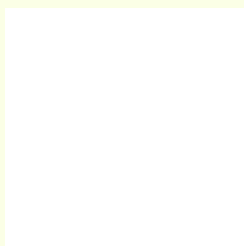
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 89.8266, 97.7424, 88.9947

Background



This preview shows how black text looks on a background with the XYZ color 89.8266, 97.7424, 88.9947.



This preview shows how white text looks on a background with the XYZ color 89.8266, 97.7424,

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

89.8266, 97.7424, 88.9947

Protanopia

92.8389, 97.5962, 101.9405

Deuteranopia

93.4630, 97.8458, 105.2269

Tritanopia

93.3684, 97.7235, 108.5492

Trichromacy



Original Color

89.8266, 97.7424, 88.9947



Protanomaly

91.8755, 97.6723, 97.2294

Deuteranomaly

92.1760, 97.7925, 98.8117

Tritanomaly

91.9047, 97.5998, 101.1835

Monochromacy



Original Color

89.8266, 97.7424, 88.9947



Achromatopsia

91.6934, 96.4686, 105.0543



Achromatomaly

90.7717, 96.6011, 98.6557

CSS Examples

Text

The CSS property to change the color of the text to XYZ 89.8266, 97.7424, 88.9947 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(251, 255, 230)` looks like.

```
.text, #text, p{  
    color:rgb(251, 255, 230)  
}
```

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(251, 255, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 255, 230) }
```

Border

The CSS property to change the border of an element to XYZ 89.8266, 97.7424, 88.9947 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(251, 255, 230) }
```


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

```
.border{ border-color:rgb(251, 255, 230) }
```

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

Here you see how a box with a 4 pixel rgb(251, 255, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 255, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 255, 230);  
box-shadow:4px 4px 4px 4px rgb(251, 255,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 89.8266, 97.7424, 88.9947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 255, 230) }
```

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

```
.background{ background-color: rgb(251,  
255, 230) }
```

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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