

Converting Colors

XYZ(100.5395, 100.0000,
83.2128)

Have a look what the booklet for
XYZ(100.5395, 100.0000, 83.2128)
contains.

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Color

**XYZ(87.9922, 93.6687,
82.5494)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF8DE
RGB	255, 248, 222
RGB Percent	100%, 97%, 87%
CMY	0.0000, 0.0274, 0.1294
CMYK	0.00, 0.03, 0.13, 0.00
HSL	47°, 100%, 94%
HSV	47°, 13%, 100%
XYZ	87.9922, 93.6687, 82.5494
YIQ	247.1290, 12.5180, -6.6020

Conversions

Conversions Part 2

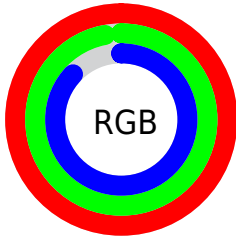
Format	Color
R_{YB}	231, 255, 222
Decimal	16775390
CIE Lab	97.50, -1.91, 13.32
CIE LCh	97, 13.455, 98.148
Yxy	93.6687, 0.3330, 0.3545
Android (android.graphics.Color)	4294965470 (0xFFFFF8DE)
YUV	247.1290, -12.3886, 6.9029
Hunter-Lab	96.7826, -7.0820, 17.1772

Details

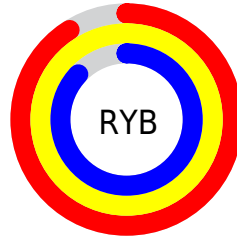
The XYZ color **87.9922, 93.6687, 82.5494** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **76.1929, 78.7861, 105.7992**, and the grayscale version is **88.6054, 93.2198, 101.5163**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **49.1134, 52.4951, 44.1032** is the 20% darker color. If you saturate the color by 10%, you get **83.1925, 89.1314, 65.3439**, and if you desaturate by 10%, it is **93.3612, 98.5167, 102.4972**.

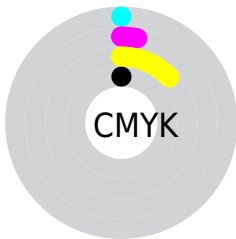
Distribution



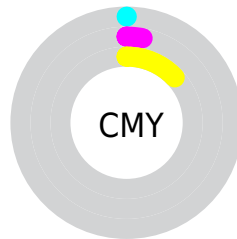
- Red (100%)
- Green (97%)
- Blue (87%)



- Red (91%)
- Yellow (100%)
- Blue (87%)



- Cyan (0%)
- Magenta (3%)
- Yellow (13%)
- Black (0%)



- Cyan (0%)
- Magenta (3%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 87.9922, 93.6687, 82.5494 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 87.9922, 93.6687, 82.5494 by changing the saturation by 10% instead.

87.9922, 93.6687,
82.5494

87.9922, 93.6687,
82.5494

509.8135,
539.8941, 523.4152

66.6474, 71.0274,
61.2800

143.4389,
152.4241, 138.7878

49.0678, 52.3646,
44.0192

178.2714,
189.3070, 174.5939

34.8880, 37.2958,
30.3483

218.3306,
231.7059, 216.0826

23.7427, 25.4366,
19.8488

263.9818,
280.0052, 263.6726

15.2666, 16.4026,
12.1022

315.5903,
334.5892, 317.7822

9.0942, 9.8095,
6.6899

373.5215,

4.8603, 5.2728,

395.8425, 378.8302

3.1935

438.1408,
464.1493, 447.2350

■ 2.1994, 2.4082,
1.1942

■ 0.7424, 0.8301,
0.0000

■ 87.9922, 93.6687,
82.5494

■ 87.9922, 93.6687,
82.5494

■ 83.1925, 89.1314,
65.3439

■ 93.3612, 98.5167,
102.4972

■ 78.9321, 84.8829,
50.7529

95.0500, 100.0000,
108.9000

■ 75.1878, 80.9163,
38.6470

■ 71.9322, 77.2200,
28.8836

■ 69.1350, 73.7812,
21.3055

■ 66.7623, 70.5858,
15.7362

■ 64.7749, 67.6173,
11.9715

■ 63.1254, 64.8561,
9.7638

■ 62.1159, 63.0118,
8.8886

Harmonies

Analogous

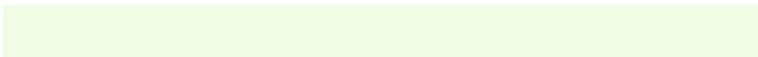
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.7915, 93.6687, 83.6829



87.9922, 93.6687, 82.5494



84.5685, 93.6687, 86.3235

Triad

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



87.9922, 93.6687, 82.5494



83.3766, 93.6687, 115.5439



96.0227, 93.6687, 110.0217

Complementary

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



87.9922, 93.6687, 82.5494



76.1929, 78.7861, 105.7992

Split Complementary

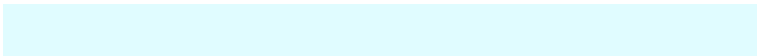
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.6442, 93.6687, 119.4442



87.9922, 93.6687, 82.5494



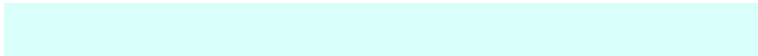
86.3231, 93.6687, 122.7879

Square

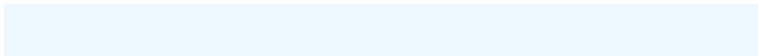
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.9922, 93.6687, 82.5494



81.9539, 93.6687, 105.0002



90.0745, 93.6687, 124.2640



96.5006, 93.6687, 99.0365

Rectangle

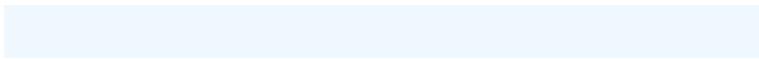
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.9922, 93.6687, 82.5494



82.9344, 93.6687, 91.2853



90.0745, 93.6687, 124.2640



95.4157, 93.6687, 113.4990

Sweetspot

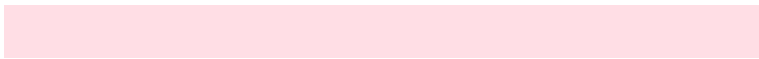
The Sweet Spot groups the original color and five complimentary colors.



87.9944, 93.6726, 82.5514



92.7651, 97.9888, 100.2507



81.5258, 79.1692, 85.2240



19.7658, 20.8939, 21.1205



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

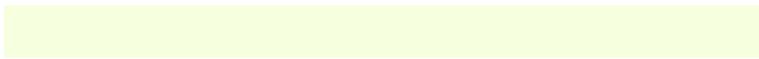
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.9944, 93.6726, 82.5514



86.4663, 92.2515, 77.0014



86.8286, 96.3237, 83.1245



19.2152, 20.3986, 19.0689



32.5697, 33.1505, 4.6821



3.2490, 3.3833, 0.4818

Inverse Universe

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



76.1929, 78.7861, 105.7992



72.1869, 74.2401, 105.1329



77.2403, 76.5110, 105.3048



17.3150, 18.0015, 22.8120



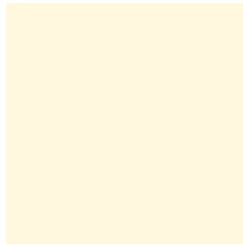
10.2084, 5.3265, 49.9247



1.0689, 0.6684, 4.8860

Previews

White Background



This preview shows how the XYZ color 87.9922, 93.6687, 82.5494 looks on a white background.

Color Contrast Check

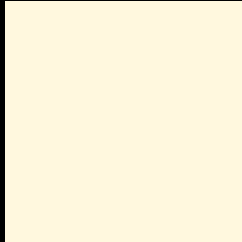
Large Text (above 18pt) WCAG AA × Fail

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 87.9922, 93.6687, 82.5494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

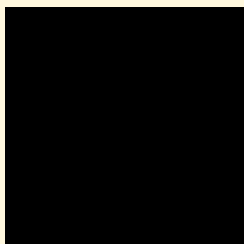
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 87.9922, 93.6687, 82.5494

Background



This preview shows how black text looks on a background with the XYZ color 87.9922, 93.6687, 82.5494.



This preview shows how white text looks on a background with the XYZ color 87.9922, 93.6687,

82.5494.

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

87.9922, 93.6687, 82.5494

Protanopia

88.7837, 93.4947, 88.2298

Deuteranopia

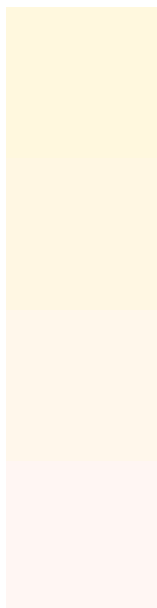
90.3734, 93.6426, 98.1057



Tritanopia

91.9424, 93.7848, 107.8641

Trichromacy



Original Color

87.9922, 93.6687, 82.5494

Protanomaly

88.3659, 93.3276, 86.0297

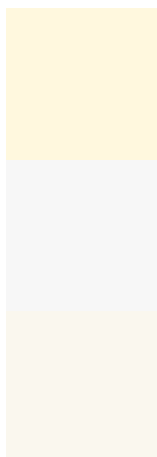
Deuteranomaly

89.4962, 93.7797, 91.9816

Tritanomaly

90.3734, 93.6426, 98.1057

Monochromacy



Original Color

87.9922, 93.6687, 82.5494

Achromatopsia

88.4070, 93.0111, 101.2891

Achromatomaly

88.1177, 93.0186, 94.1990

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.9922, 93.6687, 82.5494 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, 222) looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 222)  
}
```

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, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 222) }
```

Border

The CSS property to change the border of an element to XYZ 87.9922, 93.6687, 82.5494 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, 222) }
```


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

```
.border{ border-color:rgb(255, 248, 222) }
```

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, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 222);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 87.9922, 93.6687, 82.5494 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, 222) }
```

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

```
.background{ background-color: rgb(255,  
248, 222) }
```

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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