

# Converting Colors

XYZ(91.2720, 94.9055, 88.8452)

Have a look what the booklet for  
XYZ(91.2720, 94.9055, 88.8452)  
contains.

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# Color

**XYZ(88.9246, 93.5511,  
88.9716)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF7E7
RGB	255, 247, 231
RGB Percent	100%, 97%, 91%
CMY	0.0000, 0.0313, 0.0941
CMYK	0.00, 0.03, 0.09, 0.00
HSL	40°, 100%, 95%
HSV	40°, 9%, 100%
XYZ	88.9246, 93.5511, 88.9716
YIQ	247.5680, 9.9040, -3.2800

# Conversions

## Conversions Part 2

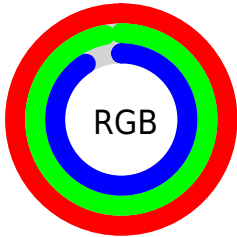
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	243, 255, 231
Decimal	16775143
CIE <sub>Lab</sub>	97.45, 0.01, 8.63
CIE <sub>LCh</sub>	97, 8.625, 89.914
Yxy	93.5511, 0.3276, 0.3446
Android (android.graphics.Color)	4294965223 (0xFFFFF7E7)
YUV	247.5680, -8.1680, 6.5179
Hunter-Lab	96.7218, -5.1529, 13.1661

# Details

The XYZ color 88.9246, 93.5511, 88.9716 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 81.8708, 85.9396, 106.8807, and the grayscale version is 88.9313, 93.5627, 101.8898.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.6574, 52.3625, 48.0472 is the 20% darker color. If you saturate the color by 10%, you get 83.0440, 87.1398, 70.5185, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

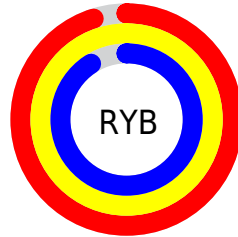
# Distribution



Red (100%)

Green (97%)

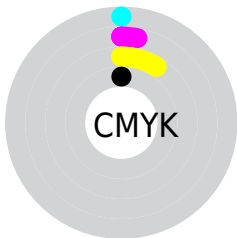
Blue (91%)



Red (95%)

Yellow (100%)

Blue (91%)

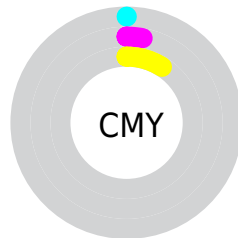


Cyan (0%)

Magenta (3%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (3%)


Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 88.9246, 93.5511, 88.9716 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 88.9246, 93.5511, 88.9716 by changing the saturation by 10% instead.




 88.9246, 93.5511,  
88.9716

 88.9246, 93.5511,  
88.9716

512.8166,  
539.5160, 545.1633

 67.4224, 70.9296,  
66.5591


144.7297,  
152.2614, 147.8321

 49.6999, 52.2848,  
48.2671

179.7632,  
189.1190, 185.1172

 35.3918, 37.2321,  
33.6769


220.0380,  
231.4907, 228.1968

 24.1328, 25.3873,  
22.3702

265.9192,  
279.7611, 277.4897

 15.5574, 16.3658,  
13.9282

317.7724,  
334.3144, 333.4142

 9.3004, 9.7834,  
7.9326

375.9627,

 4.9963, 5.2556,

395.5350, 396.3890

3.9647

440.8557,  
463.8075, 466.8325

■ 2.2798, 2.3980,  
1.6060

■ 0.7843, 0.8249,  
0.2951

■ 88.9246, 93.5511,  
88.9716

■ 88.9246, 93.5511,  
88.9716

■ 83.0440, 87.1398,  
70.5185

95.0500, 100.0000,  
108.9000

■ 77.7803, 81.1592,  
54.7468

■ 73.1097, 75.6001,  
41.5304

■ 69.0044, 70.4488,  
30.7305

■ 65.4340, 65.6905,  
22.1952

■ 62.3647, 61.3090,  
15.7549

■ 59.7581, 57.2862,  
11.2161

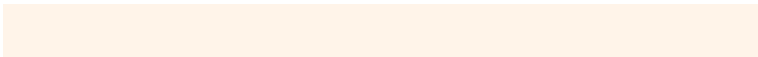
■ 57.5688, 53.6011,  
8.3489

■ 55.7282, 50.2233,  
6.8000

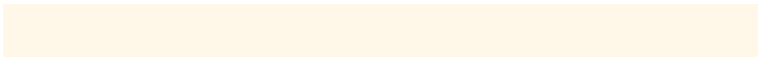
# Harmonies

## Analogous

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



91.2971, 93.5511, 90.6408



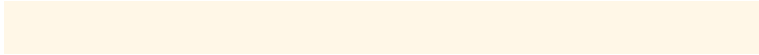
88.9246, 93.5511, 88.9716



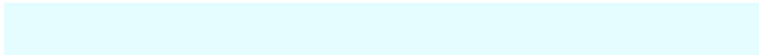
86.5917, 93.5511, 90.6220

# Triad

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



88.9246, 93.5511, 88.9716



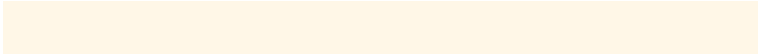
84.9013, 93.5511, 108.7301



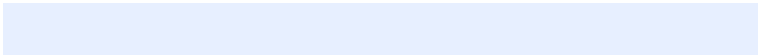
93.0512, 93.5511, 108.7668

# Complementary

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



88.9246, 93.5511, 88.9716



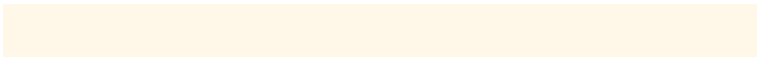
81.8708, 85.9396, 106.8807

# Split Complementary

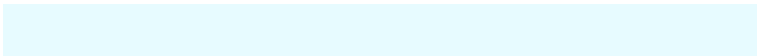
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.2846, 93.5511, 113.9933



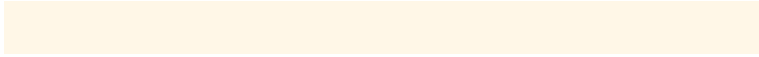
88.9246, 93.5511, 88.9716



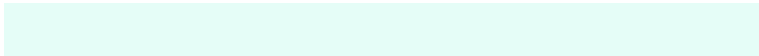
86.5796, 93.5511, 113.9714

# Square

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



88.9246, 93.5511, 88.9716



84.2949, 93.5511, 101.8410



88.9104, 93.5511, 115.9393

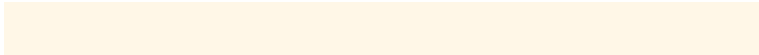


93.7061, 93.5511, 101.8815



# Rectangle

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



88.9246, 93.5511, 88.9716



85.3661, 93.5511, 93.4281



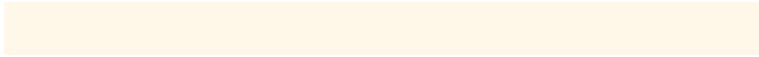
88.9104, 93.5511, 115.9393



92.5661, 93.5511, 110.7871

# Sweetspot

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



88.9267, 93.5550, 88.9736



93.0350, 97.9020, 102.2726



85.3966, 84.6449, 93.4995



19.8002, 20.8365, 21.5208



0.0000, 0.0000, 0.0000

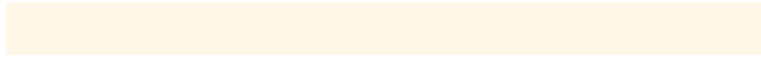


20.3446, 21.4041, 23.3091



# Same Dimension

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



88.9267, 93.5550, 88.9736



87.9496, 92.5061, 85.8569



89.9678, 97.7989, 89.7379



19.0216, 20.0113, 19.0044



29.2088, 26.4287, 3.5618

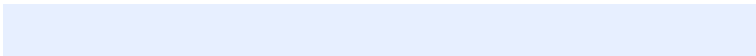


2.9445, 2.7743, 0.3803



# Inverse Universe

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



81.8708, 85.9396, 106.8807



79.7928, 83.7028, 106.5585



80.8878, 82.0352, 106.1789



17.4973, 18.3662, 22.8728



11.2483, 7.4062, 50.2713

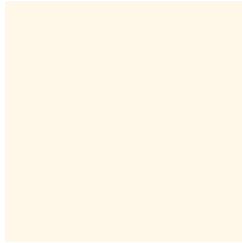


1.1908, 0.9123, 4.9266



# Previews

## White Background



This preview shows how the XYZ color 88.9246, 93.5511, 88.9716 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

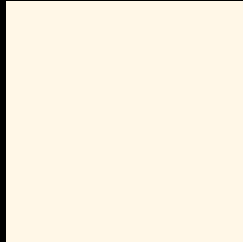
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 88.9246, 93.5511, 88.9716 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

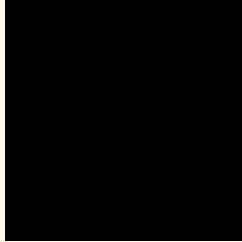
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 88.9246, 93.5511, 88.9716**

## **Background**



This preview shows how black text looks on a background with the XYZ color 88.9246, 93.5511, 88.9716.



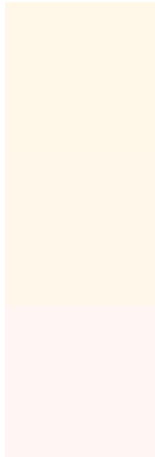
This preview shows how white text looks on a background with the XYZ color 88.9246, 93.5511,



# 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

88.9246, 93.5511, 88.9716

### Protanopia

89.2087, 93.6647, 90.4681

### Deuteranopia

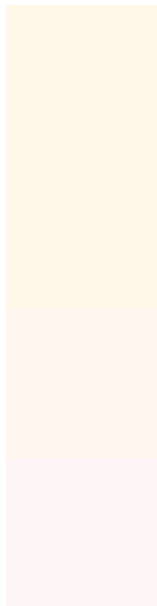
90.5249, 93.7032, 98.9033



## Tritanopia

91.5755, 93.5956, 107.8470

# Trichromacy



## Original Color

88.9246, 93.5511, 88.9716

## Protanomaly

89.0663, 93.6077, 89.7177

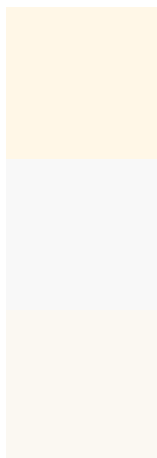
## Deuteranomaly

89.7758, 93.4035, 94.9583

## Tritanomaly

90.4634, 93.6362, 100.4944

# Monochromacy



## Original Color

88.9246, 93.5511, 88.9716

## Achromatopsia

89.2221, 93.8686, 102.2229

## Achromatomaly

89.3781, 94.0548, 97.4481

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 88.9246, 93.5511, 88.9716 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, 247, 231) looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 231)  
}
```

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, 247, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 88.9246, 93.5511, 88.9716 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, 247, 231) }
```



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

```
.border{ border-color:rgb(255, 247, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 247, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 231);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 88.9246, 93.5511, 88.9716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 247, 231) }
```

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

```
.background{ background-color: rgb(255,  
247, 231) }
```

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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