

# Converting Colors

XYZ(90.0188, 100.0000,  
81.2131)

Have a look what the booklet for  
XYZ(90.0188, 100.0000, 81.2131)  
contains.

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# Color

**XYZ(88.5598, 97.2774,  
80.4385)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCFFDA
RGB	252, 255, 218
RGB Percent	99%, 100%, 85%
CMY	0.0118, 0.0000, 0.1451
CMYK	0.01, 0.00, 0.15, 0.00
HSL	65°, 100%, 93%
HSV	65°, 15%, 100%
XYZ	88.5598, 97.2774, 80.4385
YIQ	249.8850, 10.0890, -12.1430

# Conversions

## Conversions Part 2

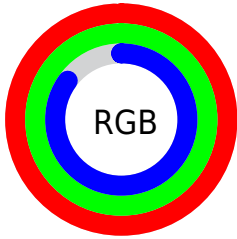
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	218, 255, 221
Decimal	16580570
CIE Lab	98.94, -7.07, 17.37
CIE LCh	99, 18.750, 112.135
Yxy	97.2774, 0.3326, 0.3653
Android (android.graphics.Color)	4294770650 (0xFFFCFFDA)
YUV	249.8850, -15.7193, 1.8549
Hunter-Lab	98.6293, -12.3251, 20.6857

# Details

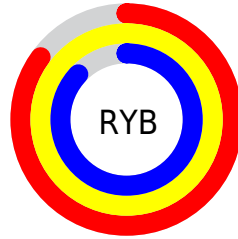
The XYZ color **88.5598, 97.2774, 80.4385** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **72.9410, 72.7362, 104.8028**, and the grayscale version is **90.8905, 95.6239, 104.1344**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **49.3106, 54.6346, 42.5969** is the 20% darker color. If you saturate the color by 10%, you get **84.7309, 95.6599, 64.1597**, and if you desaturate by 10%, it is **92.9116, 99.1051, 99.4243**.

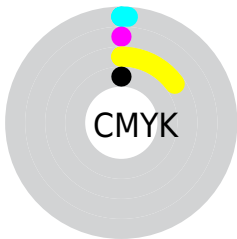
# Distribution



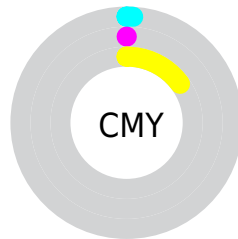
- Red (99%)
- Green (100%)
- Blue (85%)



- Red (85%)
- Yellow (100%)
- Blue (87%)



- Cyan (1%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)




- Cyan (1%)
- Magenta (0%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 88.5598, 97.2774, 80.4385 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 88.5598, 97.2774, 80.4385 by changing the saturation by 10% instead.




 88.5598, 97.2774,  
80.4385

 88.5598, 97.2774,  
80.4385


511.6427,  
551.4304, 516.1551

 67.1191, 74.0319,  
59.5510


144.2248,  
157.4072, 135.7990

 49.4525, 54.8202,  
42.6339


179.1798,  
195.0603, 171.1091

 35.1946, 39.2577,  
29.2687


219.3704,  
238.2847, 212.0638

 23.9800, 26.9603,  
19.0368

265.1617,  
287.4648, 259.0816

 15.4434, 17.5434,  
11.5198

316.9193,  
342.9851, 312.5811

 9.2195, 10.6227,  
6.2991

375.0084,

 4.9429, 5.8137,

405.2298, 372.9808

2.9561

439.7944,  
474.5835, 440.6993

■ 2.2482, 2.7321,  
1.0722

■ 0.7680, 0.9935,  
0.0000

■ 88.5598, 97.2774,  
80.4385

■ 88.5598, 97.2774,  
80.4385

■ 84.7309, 95.6599,  
64.1597

■ 92.9116, 99.1051,  
99.4243

■ 81.3995, 94.2423,  
50.4606

95.0500, 100.0000,  
108.9000

■ 78.5411, 93.0148,  
39.2097

■ 76.1282, 91.9664,  
30.2625

■ 74.1304, 91.0850,  
23.4594

■ 72.5134, 90.3569,  
18.6201

■ 71.2376, 89.7661,  
15.5353

■ 70.2540, 89.2932,  
13.9481

■ 69.8002, 89.0684,  
13.5131

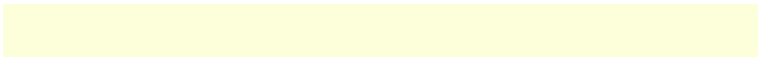
# Harmonies

## Analogous

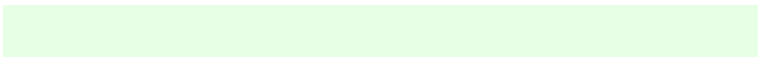
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.9032, 97.2774, 78.8401



88.5598, 97.2774, 80.4385



84.4166, 97.2774, 88.5154

# Triad

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



88.5598, 97.2774, 80.4385



86.1641, 97.2774, 131.4713



103.2533, 97.2774, 110.0861

# Complementary

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



88.5598, 97.2774, 80.4385



72.9410, 72.7362, 104.8028

# 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.



100.9971, 97.2774, 125.4653



88.5598, 97.2774, 80.4385



91.0302, 97.2774, 138.5800

# Square

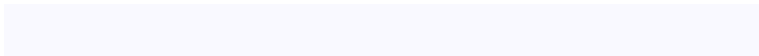
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.5598, 97.2774, 80.4385



83.0719, 97.2774, 117.6558



96.4715, 97.2774, 136.2803



102.5284, 97.2774, 94.9891

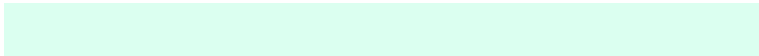


# Rectangle

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



88.5598, 97.2774, 80.4385



82.8230, 97.2774, 96.9604



96.4715, 97.2774, 136.2803



102.8153, 97.2774, 115.4121

# Sweetspot

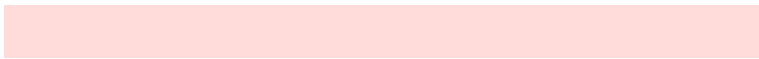
The Sweet Spot groups the original color and five complimentary colors.



88.5604, 97.2777, 80.4399



93.1474, 99.2039, 100.4651



79.6115, 77.7548, 77.1433



19.8629, 21.2025, 21.1750



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

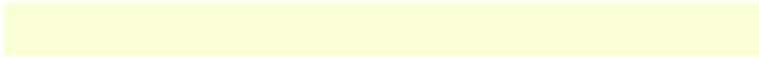


# Same Dimension

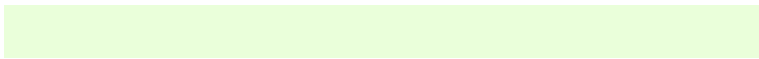
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.5604, 97.2777, 80.4399



87.5586, 96.8555, 76.1363



82.3582, 94.0803, 80.1497



19.4074, 21.0114, 19.1771



36.5329, 46.5715, 7.0637



3.5983, 4.5558, 0.6897



# Inverse Universe

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



72.9410, 72.7362, 104.8028



69.5786, 68.6041, 104.1825



78.7076, 75.7090, 105.0727



17.1394, 17.4481, 22.7144



9.6368, 3.8784, 49.6753

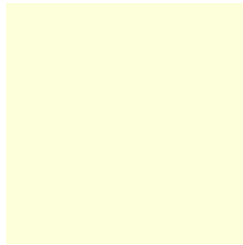


0.9830, 0.4007, 4.8388



# Previews

## White Background



This preview shows how the XYZ color 88.5598, 97.2774, 80.4385 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

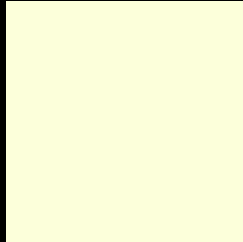
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 88.5598, 97.2774, 80.4385 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

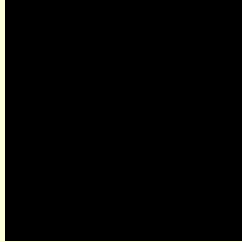
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 88.5598, 97.2774, 80.4385

## Background



This preview shows how black text looks on a background with the XYZ color 88.5598, 97.2774, 80.4385.



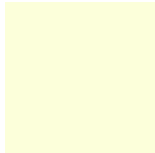
This preview shows how white text looks on a background with the XYZ color 88.5598, 97.2774,



# 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

88.5598, 97.2774, 80.4385

### Protanopia

92.3795, 97.4125, 99.5215

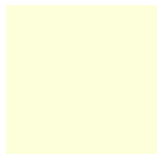
### Deuteranopia

92.9925, 97.1565, 104.2943

## **Tritanopia**

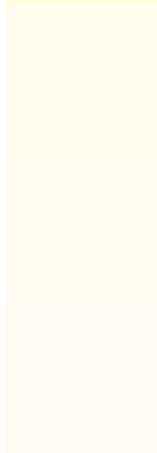
93.0552, 97.0970, 108.4448

# Trichromacy



## Original Color

88.5598, 97.2774, 80.4385



## Protanomaly

90.9937, 97.3195, 92.5859

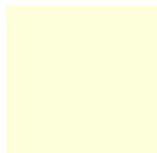
## Deuteranomaly

91.1161, 96.8647, 94.7833

## Tritanomaly

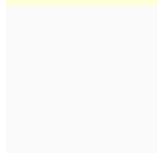
91.3454, 96.9143, 97.8963

# Monochromacy



## Original Color

88.5598, 97.2774, 80.4385



## Achromatopsia

90.8653, 95.5973, 104.1055



## Achromatomaly

90.0267, 96.3031, 94.7324

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 88.5598, 97.2774, 80.4385 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(252, 255, 218)` looks like.

```
.text, #text, p{  
    color:rgb(252, 255, 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(252, 255, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 255, 218) }
```

## Border

The CSS property to change the border of an element to XYZ 88.5598, 97.2774, 80.4385 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(252, 255, 218) }
```



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

```
.border{ border-color:rgb(252, 255, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 255, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 255, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 255, 218);  
box-shadow:4px 4px 4px 4px rgb(252, 255,  
218) }
```

# Background

The CSS property to change the background color of an element to XYZ 88.5598, 97.2774, 80.4385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 255, 218) }
```

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

```
.background{ background-color: rgb(252,  
255, 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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