

# Converting Colors

XYZ(90.2521, 92.8236,  
107.7676)

Have a look what the booklet for  
XYZ(90.2521, 92.8236, 107.7676)  
contains.

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# **Color**

**XYZ(90.4861, 93.0340,  
107.7960)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBF5FF
RGB	251, 245, 255
RGB Percent	98%, 96%, 100%
CMY	0.0157, 0.0392, 0.0000
CMYK	0.02, 0.04, 0.00, 0.00
HSL	276°, 100%, 98%
HSV	276°, 4%, 100%
XYZ	90.4861, 93.0340, 107.7960
YIQ	247.9340, 0.3660, 4.3820

# Conversions

## Conversions Part 2

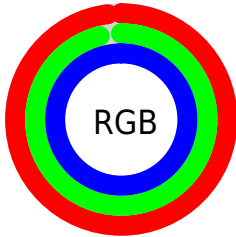
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	251, 245, 255
Decimal	16512511
CIE <sub>Lab</sub>	97.24, 3.76, -4.09
CIE <sub>LCh</sub>	97, 5.556, 312.615
Yxy	93.0340, 0.3106, 0.3194
Android (android.graphics.Color)	4294702591 (0xFFFBF5FF)
YUV	247.9340, 3.4835, 2.6889
Hunter-Lab	96.4541, -1.3393, 1.2561

# Details

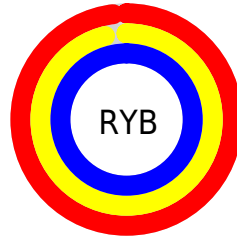
The XYZ color 90.4861, 93.0340, 107.7960 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 91.3106, 98.2534, 100.5430, and the grayscale version is 89.1436, 93.7860, 102.1330.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.8963, 52.0745, 60.7949 is the 20% darker color. If you saturate the color by 10%, you get 79.7214, 76.8131, 105.2324, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

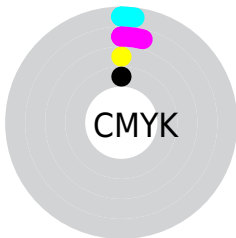
# Distribution



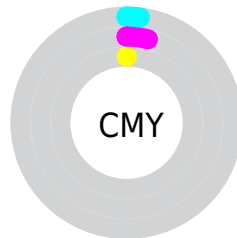
- Red (98%)
- Green (96%)
- Blue (100%)



- Red (98%)
- Yellow (96%)
- Blue (100%)



- Cyan (2%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (2%)
- Magenta (4%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 90.4861, 93.0340, 107.7960 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 90.4861, 93.0340, 107.7960 by changing the saturation by 10% instead.




 90.4861, 93.0340,  
107.7960

 90.4861, 93.0340,  
107.7960


517.8252,  
537.8517, 606.3674

 68.7215, 70.4998,  
82.1740


146.8883,  
151.5457, 173.9751

 50.7607, 51.9341,  
60.9723


182.2567,  
188.2919, 215.3693

 36.2385, 36.9525,  
43.7724

222.8903,  
230.5443, 262.8580

 24.7894, 25.1707,  
30.1558

269.1546,  
278.6872, 316.8597

 16.0481, 16.2043,  
19.7038

321.4149,  
333.1049, 377.7929

 9.6493, 9.6688,  
11.9980

380.0365,

 5.2275, 5.1799,

394.1820, 446.0763

6.6198

445.3848,  
462.3028, 522.1283

■ 2.4175, 2.3532,  
3.1507

■ 0.8538, 0.8017,  
1.1721

■ 90.4861, 93.0340,  
107.7960

■ 90.4861, 93.0340,  
107.7960

■ 79.7214, 76.8131,  
105.2324

95.0500, 100.0000,  
108.9000

■ 70.1691, 62.7286,  
103.0173

■ 61.7823, 50.6904,  
101.1357

■ 54.5081, 40.5974,  
99.5709

■ 48.2890, 32.3397,  
98.3048

■ 43.0620, 25.7962,  
97.3173

■ 38.7562, 20.8306,  
96.5858

■ 35.2900, 17.2850,  
96.0841

■ 32.5645, 14.9668,  
95.7803

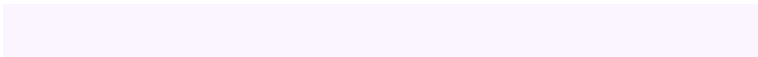
# Harmonies

## Analogous

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



89.0871, 93.0340, 109.9731



90.4861, 93.0340, 107.7960



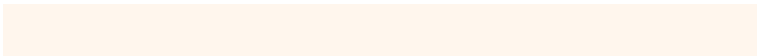
91.3388, 93.0340, 103.9040

# Triad

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



90.4861, 93.0340, 107.7960



89.3313, 93.0340, 93.2682



85.5122, 93.0340, 103.1985

# Complementary

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



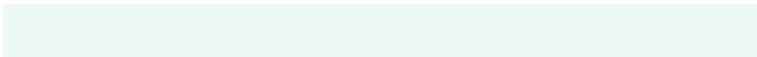
90.4861, 93.0340, 107.7960



91.3106, 98.2534, 100.5430

# 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.



85.5758, 93.0340, 98.7364



90.4861, 93.0340, 107.7960



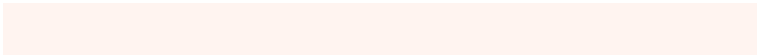
87.7683, 93.0340, 93.0920

# Square

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



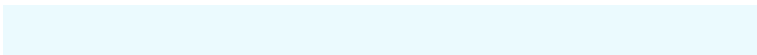
90.4861, 93.0340, 107.7960



90.6667, 93.0340, 95.5556



86.3975, 93.0340, 95.0669



86.2226, 93.0340, 107.2664



# Rectangle

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



90.4861, 93.0340, 107.7960



91.4766, 93.0340, 100.9042



86.3975, 93.0340, 95.0669



85.4440, 93.0340, 101.6932

# Sweetspot

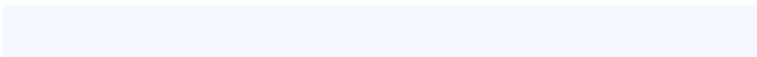
The Sweet Spot groups the original color and five complimentary colors.



90.4885, 93.0379, 107.7966



93.8676, 98.1908, 108.6131



89.6365, 94.4900, 108.1218



20.1040, 21.0360, 23.2507



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.



90.4885, 93.0379, 107.7966



89.2649, 91.1786, 107.5022



91.8103, 93.7348, 107.1600



18.9378, 19.2602, 22.9694



16.4680, 7.4000, 49.9950



1.7268, 0.7841, 4.8736



# Inverse Universe

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



90.9936, 93.4081, 102.8593



89.9092, 91.6502, 101.2311



90.0280, 97.5774, 101.1483



19.0950, 19.3752, 21.4428



22.8710, 11.6377, 7.9712

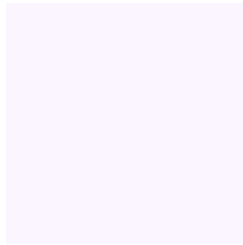


2.2791, 1.1540, 1.0510



# Previews

## White Background



This preview shows how the XYZ color 90.4861, 93.0340, 107.7960 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

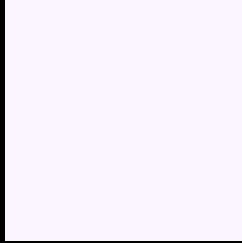
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 90.4861, 93.0340, 107.7960 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

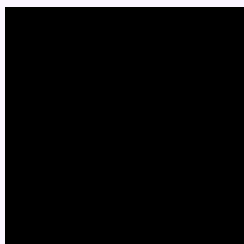
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

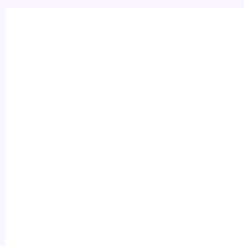
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 90.4861, 93.0340, 107.7960**

## **Background**



This preview shows how black text looks on a background with the XYZ color 90.4861, 93.0340, 107.7960.



This preview shows how white text looks on a background with the XYZ color 90.4861, 93.0340,



# 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**

90.4861, 93.0340, 107.7960

**Protanopia**

90.0727, 93.2713, 107.8636

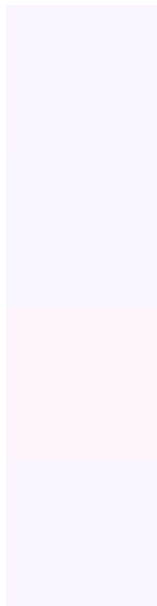
**Deuteranopia**

91.0033, 92.9264, 104.4070

## Tritanopia

90.1267, 92.8488, 107.7792

# Trichromacy



## Original Color

90.4861, 93.0340, 107.7960

## Protanomaly

90.4301, 93.4555, 107.8803

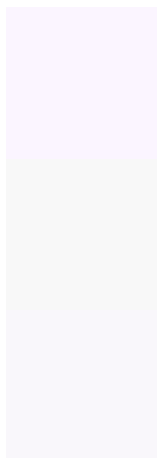
## Deuteranomaly

90.7944, 92.8005, 105.2224

## Tritanomaly

90.1267, 92.8488, 107.7792

# Monochromacy



## Original Color

90.4861, 93.0340, 107.7960

## Achromatopsia

89.2221, 93.8686, 102.2229

## Achromatomaly

89.7403, 93.6263, 104.6087

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 90.4861, 93.0340, 107.7960 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, 245, 255) looks like.

```
.text, #text, p{  
    color:rgb(251, 245, 255)  
}
```

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, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 245, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 90.4861, 93.0340, 107.7960 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, 245, 255) }
```



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

```
.border{ border-color:rgb(251, 245, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(251, 245,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 90.4861, 93.0340, 107.7960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 245, 255) }
```

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

```
.background{ background-color: rgb(251,  
245, 255) }
```

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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