

# Converting Colors

XYZ(90.7010, 93.8606, 99.5627)

Have a look what the booklet for  
XYZ(90.7010, 93.8606, 99.5627)  
contains.

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# **Color**

**XYZ(90.6772, 93.7641,  
99.7053)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF6F5
RGB	255, 246, 245
RGB Percent	100%, 96%, 96%
CMY	0.0000, 0.0353, 0.0392
CMYK	0.00, 0.04, 0.04, 0.00
HSL	6°, 100%, 98%
HSV	6°, 4%, 100%
XYZ	90.6772, 93.7641, 99.7053
YIQ	248.5770, 5.6850, 1.5970

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 246, 245
Decimal	16774901
CIE Lab	97.54, 2.83, 1.54
CIE LCh	98, 3.225, 28.492
Yxy	93.7641, 0.3191, 0.3300
Android (android.graphics.Color)	4294964981 (0xFFFFF6F5)
YUV	248.5770, -1.7635, 5.6330
Hunter-Lab	96.8319, -2.3013, 6.7329

# Details

The XYZ color 90.6772, 93.7641, 99.7053 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 91.1472, 97.5137, 108.6258, and the grayscale version is 89.7081, 94.3799, 102.7797.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.8875, 52.5068, 55.5969 is the 20% darker color. If you saturate the color by 10%, you get 80.4981, 79.2123, 78.4115, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

# Distribution



Red (100%)

Green (96%)

Blue (96%)



Red (100%)

Yellow (96%)

Blue (96%)



Cyan (0%)

Magenta (4%)

Yellow (4%)

Black (0%)



Cyan (0%)

Magenta (4%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 90.6772, 93.7641, 99.7053 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 90.6772, 93.7641, 99.7053 by changing the saturation by 10% instead.



90.6772, 93.7641,  
99.7053

90.6772, 93.7641,  
99.7053

518.4364,  
540.2008, 580.4860

68.8806, 71.1068,  
75.4389

147.1523,  
152.5561, 162.8005

50.8907, 52.4293,  
55.4687

182.5614,  
189.4595, 202.4664

36.3424, 37.3474,  
39.3759

223.2388,  
231.8803, 248.1025

24.8700, 25.4766,  
26.7422

269.5498,  
280.2031, 300.1275

16.1085, 16.4325,  
17.1490

321.8596,  
334.8121, 358.9598

9.6923, 9.8307,  
10.1777

380.5338,

5.2561, 5.2869,

396.0918, 425.0179

5.4098

445.9376,  
464.4266, 498.7205

■ 2.4346, 2.4165,  
2.4267

■ 0.8624, 0.8344,  
0.8010

■ 90.6772, 93.7641,  
99.7053

■ 90.6772, 93.7641,  
99.7053

■ 80.4981, 79.2123,  
78.4115

95.0500, 100.0000,  
108.9000

■ 71.6619, 66.5234,  
60.1033

■ 64.1145, 55.6254,  
44.6489

■ 57.7952, 46.4376,  
31.9045

■ 52.6389, 38.8730,  
21.7136

■ 48.5740, 32.8370,  
13.9037

■ 45.5212, 28.2251,  
8.2809

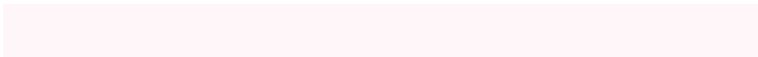
■ 43.3901, 24.9197,  
4.6211

■ 42.0738, 22.7839,  
2.6511

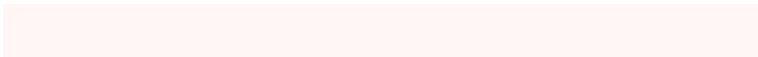
# Harmonies

## Analogous

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



90.8926, 93.7641, 102.2260



90.6772, 93.7641, 99.7053



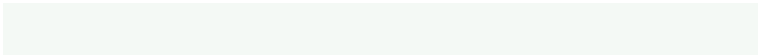
90.0438, 93.7641, 97.8520

# Triad

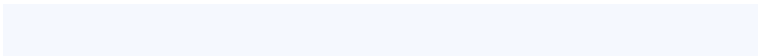
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.6772, 93.7641, 99.7053



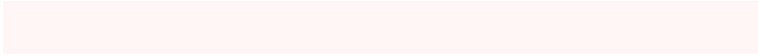
87.6265, 93.7641, 99.4791



89.0736, 93.7641, 107.2201

# Complementary

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



90.6772, 93.7641, 99.7053



91.1472, 97.5137, 108.6258

# 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.



88.2025, 93.7641, 106.4552



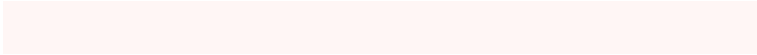
90.6772, 93.7641, 99.7053



87.3705, 93.7641, 101.9605

# Square

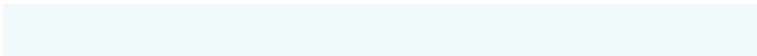
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.6772, 93.7641, 99.7053



88.2822, 93.7641, 97.7230



87.5807, 93.7641, 104.5189



89.9630, 93.7641, 106.5917



# Rectangle

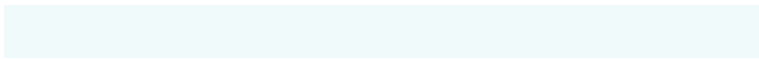
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



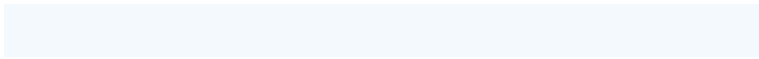
90.6772, 93.7641, 99.7053



89.4719, 93.7641, 97.2288



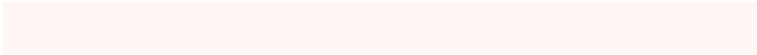
87.5807, 93.7641, 104.5189



88.7690, 93.7641, 107.1171

# Sweetspot

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



90.6793, 93.7679, 99.7073



93.9147, 98.3820, 106.5096



91.7824, 93.7216, 107.0187



20.1136, 21.0749, 22.8226



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

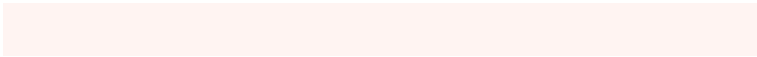


# Same Dimension

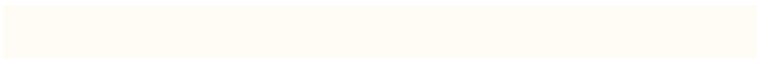
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.6793, 93.7679, 99.7073



89.5142, 92.1051, 97.2616



92.2191, 96.8475, 100.2206



18.9992, 19.4851, 20.4812



21.7852, 11.5817, 1.0873

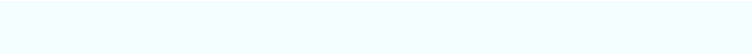


2.1676, 1.2206, 0.1214



# Inverse Universe

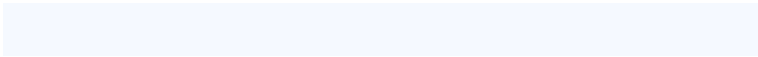
The Inverse Universe completely reimagines the original color for something new.



91.1472, 97.5137, 108.6258



90.1066, 96.8471, 108.5520



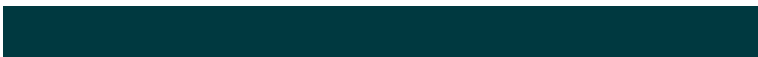
89.5828, 94.3848, 108.1043



19.1431, 20.6372, 23.2244



24.1915, 33.2927, 54.5857

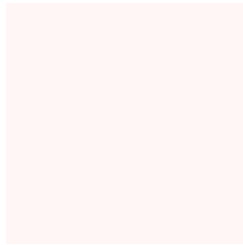


2.3986, 3.3280, 5.3292



# Previews

## White Background



This preview shows how the XYZ color 90.6772, 93.7641, 99.7053 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

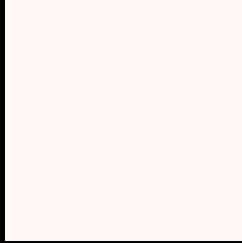
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 90.6772, 93.7641, 99.7053 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

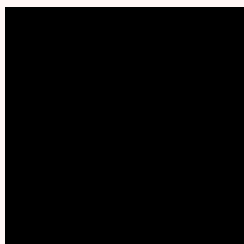
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

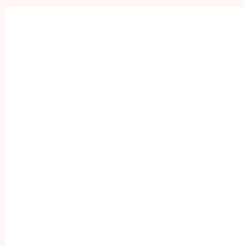
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 90.6772, 93.7641, 99.7053

## Background



This preview shows how black text looks on a background with the XYZ color 90.6772, 93.7641, 99.7053.



This preview shows how white text looks on a background with the XYZ color 90.6772, 93.7641,



# 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

90.6772, 93.7641, 99.7053

### Protanopia

90.2502, 93.9967, 99.7727

### Deuteranopia

90.9843, 93.8869, 101.3223

## Tritanopia

91.5138, 94.0142, 107.9310

# Trichromacy



**Original Color**

90.6772, 93.7641, 99.7053

**Protanomaly**

90.6152, 94.1849, 99.7898

**Deuteranomaly**

90.8303, 93.8254, 100.5116

**Tritanomaly**

91.2414, 93.9474, 104.5915

# Monochromacy



**Original Color**

90.6772, 93.7641, 99.7053

**Achromatopsia**

90.0415, 94.7307, 103.1617

**Achromatomaly**

90.2943, 94.4213, 102.2731

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 90.6772, 93.7641, 99.7053 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, 246, 245) looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 245)  
}
```

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, 246, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 90.6772, 93.7641, 99.7053 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, 246, 245) }
```



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

```
.border{ border-color:rgb(255, 246, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 246, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 245);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 90.6772, 93.7641, 99.7053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 246, 245) }
```

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

```
.background{ background-color: rgb(255,  
246, 245) }
```

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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