

# Converting Colors

XYZ(93.3536, 94.8467,  
122.4639)

Have a look what the booklet for  
XYZ(93.3536, 94.8467, 122.4639)  
contains.

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# **Color**

**XYZ(90.4301, 93.4555,  
107.8803)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAF6FF
RGB	250, 246, 255
RGB Percent	98%, 96%, 100%
CMY	0.0196, 0.0353, 0.0000
CMYK	0.02, 0.04, 0.00, 0.00
HSL	267°, 100%, 98%
HSV	267°, 4%, 100%
XYZ	90.4301, 93.4555, 107.8803
YIQ	248.2220, -0.5050, 3.6470

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	250, 246, 255
Decimal	16447231
CIE <sub>Lab</sub>	97.41, 2.92, -3.85
CIE <sub>LCh</sub>	97, 4.831, 307.244
Yxy	93.4555, 0.3099, 0.3203
Android (android.graphics.Color)	4294637311 (0xFFFAF6FF)
YUV	248.2220, 3.3416, 1.5593
Hunter-Lab	96.6724, -2.2027, 1.5068

# Details

The XYZ color 90.4301, 93.4555, 107.8803 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 92.1806, 98.6842, 101.3830, and the grayscale version is 89.3807, 94.0354, 102.4046.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.8546, 52.3735, 60.8548 is the 20% darker color. If you saturate the color by 10%, you get 78.3121, 76.4763, 105.2416, 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 90.4301, 93.4555, 107.8803 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 90.4301, 93.4555, 107.8803 by changing the saturation by 10% instead.




 90.4301, 93.4555,  
107.8803

 90.4301, 93.4555,  
107.8803


517.6460,  
539.2085, 606.6340

 68.6749, 70.8502,  
82.2444


146.8110,  
152.1291, 174.0911

 50.7226, 52.2199,  
61.0300


182.1674,  
188.9661, 215.5030

 36.2081, 37.1804,  
43.8187


222.7882,  
231.3158, 263.0107

 24.7658, 25.3472,  
30.1918

269.0388,  
279.5626, 317.0326

 16.0304, 16.3359,  
19.7309

321.2845,  
334.0909, 377.9874

 9.6367, 9.7622,  
12.0175

379.8907,

 5.2192, 5.2416,

395.2850, 446.2935

6.6329

445.2228,  
463.5295, 522.3696

■ 2.4125, 2.3897,  
3.1587

■ 0.8513, 0.8206,  
1.1762

■ 90.4301, 93.4555,  
107.8803

■ 90.4301, 93.4555,  
107.8803

■ 78.3121, 76.4763,  
105.2416

95.0500, 100.0000,  
108.9000

■ 67.5866, 61.7288,  
102.9604

■ 58.2013, 49.1205,  
101.0214

■ 50.0977, 38.5476,  
99.4077

■ 43.2127, 29.8976,  
98.1010

■ 37.4771, 23.0466,  
97.0809

■ 32.8139, 17.8555,  
96.3247

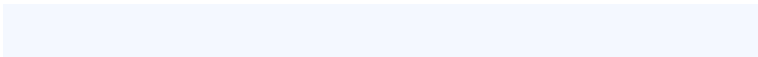
■ 29.1350, 14.1639,  
95.8061

■ 26.3348, 11.7773,  
95.4930

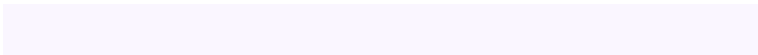
# Harmonies

## Analogous

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



89.1592, 93.4555, 109.4243



90.4301, 93.4555, 107.8803



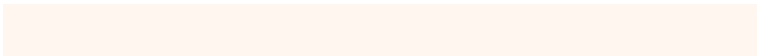
91.2775, 93.4555, 104.7026

# Triad

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



90.4301, 93.4555, 107.8803



89.8492, 93.4555, 94.9590



86.2396, 93.4555, 102.7112

# Complementary

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



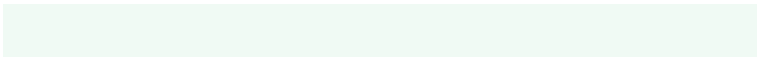
90.4301, 93.4555, 107.8803



92.1806, 98.6842, 101.3830

# 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.



86.4201, 93.4555, 98.8675



90.4301, 93.4555, 107.8803



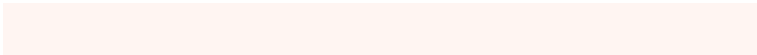
88.4950, 93.4555, 94.4568

# Square

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



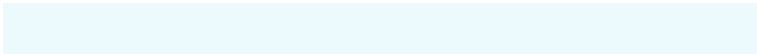
90.4301, 93.4555, 107.8803



90.9397, 93.4555, 97.2603



87.2423, 93.4555, 95.8702



86.7466, 93.4555, 106.3906



# Rectangle

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



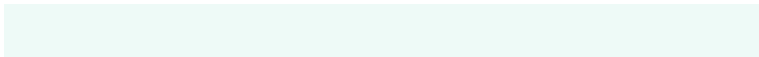
90.4301, 93.4555, 107.8803



91.4833, 93.4555, 102.1202



87.2423, 93.4555, 95.8702



86.2220, 93.4555, 101.3950

# Sweetspot

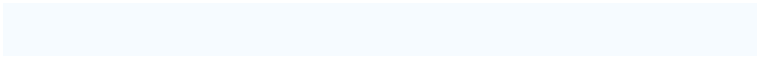
The Sweet Spot groups the original color and five complimentary colors.



90.4325, 93.4594, 107.8809



93.7225, 98.1160, 108.6063



90.5873, 95.8723, 108.3385



20.0745, 21.0207, 23.2493



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.



90.4325, 93.4594, 107.8809



89.8272, 92.6046, 107.7478



92.0273, 94.2815, 107.9555



19.0220, 19.5324, 23.0175



13.1750, 5.7024, 49.8409



1.4061, 0.6188, 4.8586



# Inverse Universe

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



91.6108, 94.1404, 104.6126



91.1608, 93.3754, 104.0466



90.6142, 97.8767, 101.3097



19.3601, 19.7279, 22.0784



24.1650, 12.1553, 14.7850

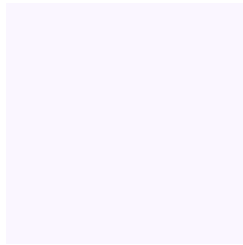


2.4079, 1.2055, 1.7293



# Previews

## White Background



This preview shows how the XYZ color 90.4301, 93.4555, 107.8803 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

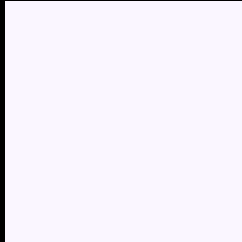
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 90.4301, 93.4555, 107.8803 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

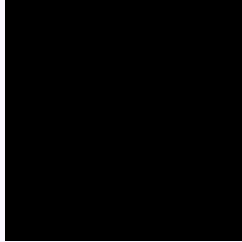
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 90.4301, 93.4555, 107.8803

## Background



This preview shows how black text looks on a background with the XYZ color 90.4301, 93.4555, 107.8803.



This preview shows how white text looks on a background with the XYZ color 90.4301, 93.4555,



# 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**

90.4301, 93.4555, 107.8803

**Protanopia**

90.4301, 93.4555, 107.8803

**Deuteranopia**

91.3050, 93.5299, 104.5076

## **Tritanopia**

90.0727, 93.2713, 107.8636

# Trichromacy



**Original Color**

90.4301, 93.4555, 107.8803

**Protanomaly**

90.4301, 93.4555, 107.8803

**Deuteranomaly**

90.7311, 93.2157, 105.3059

**Tritanomaly**

90.0727, 93.2713, 107.8636

# Monochromacy



**Original Color**

90.4301, 93.4555, 107.8803

**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 90.4301, 93.4555, 107.8803 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(250, 246, 255) looks like.

```
.text, #text, p{  
    color:rgb(250, 246, 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(250, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 246, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 90.4301, 93.4555, 107.8803 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(250, 246, 255) }
```



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

```
.border{ border-color:rgb(250, 246, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(250, 246,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 90.4301, 93.4555, 107.8803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 246, 255) }
```

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

```
.background{ background-color: rgb(250,  
246, 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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