

# Converting Colors

XYZ(90.9224, 94.3592,  
107.9741)

Have a look what the booklet for  
XYZ(90.9224, 94.3592, 107.9741)  
contains.

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# **Color**

**XYZ(90.7351, 94.0655,  
107.9820)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAF7FF
RGB	250, 247, 255
RGB Percent	98%, 97%, 100%
CMY	0.0196, 0.0313, 0.0000
CMYK	0.02, 0.03, 0.00, 0.00
HSL	262°, 100%, 98%
HSV	262°, 3%, 100%
XYZ	90.7351, 94.0655, 107.9820
YIQ	248.8090, -0.7800, 3.1240

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	250, 247, 255
Decimal	16447487
CIE <sub>Lab</sub>	97.66, 2.41, -3.48
CIE <sub>LCh</sub>	98, 4.239, 304.727
Yxy	94.0655, 0.3099, 0.3213
Android (android.graphics.Color)	4294637567 (0xFFFAF7FF)
YUV	248.8090, 3.0522, 1.0445
Hunter-Lab	96.9874, -2.7349, 1.8800

# Details

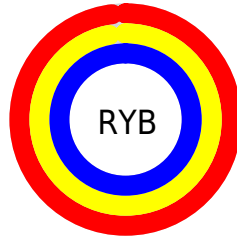
The XYZ color 90.7351, 94.0655, 107.9820 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 92.6958, 98.9320, 102.2106, and the grayscale version is 89.8641, 94.5440, 102.9584.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 51.0720, 52.8082, 60.9273 is the 20% darker color. If you saturate the color by 10%, you get 77.9910, 76.7027, 105.3023, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

# Distribution



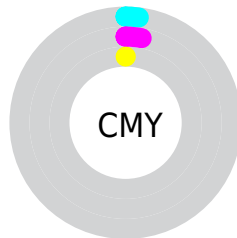
- Red (98%)
- Green (97%)
- Blue (100%)



- Red (98%)
- Yellow (97%)
- Blue (100%)



- Cyan (2%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)




- Cyan (2%)
- Magenta (3%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 90.7351, 94.0655, 107.9820 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 90.7351, 94.0655, 107.9820 by changing the saturation by 10% instead.




 90.7351, 94.0655,  
107.9820

 90.7351, 94.0655,  
107.9820


518.6215,  
541.1689, 606.9556

 68.9288, 71.3574,  
82.3292


147.2322,  
152.9729, 174.2310

 50.9301, 52.6339,  
61.0996


182.6537,  
189.9411, 215.6643

 36.3738, 37.5106,  
43.8744

223.3444,  
232.4314, 263.1949

 24.8945, 25.6031,  
30.2353

269.6694,  
280.8282, 317.2413

 16.1268, 16.5269,  
19.7637

321.9944,  
335.5160, 378.2220

 9.7053, 9.8978,  
12.0410

380.6844,

 5.2648, 5.3312,

396.8791, 446.5556

6.6488

446.1050,  
465.3020, 522.6606

■ 2.4398, 2.4429,  
3.1683

■ 0.8650, 0.8478,  
1.1812

■ 90.7351, 94.0655,  
107.9820

■ 90.7351, 94.0655,  
107.9820

■ 77.9910, 76.7027,  
105.3023

95.0500, 100.0000,  
108.9000

■ 66.7390, 61.6256,  
102.9851

■ 56.9232, 48.7399,  
101.0153

■ 48.4813, 37.9402,  
99.3757

■ 41.3462, 29.1121,  
98.0478

■ 35.4445, 22.1299,  
97.0111

■ 30.6949, 16.8529,  
96.2429

■ 27.0045, 13.1189,  
95.7167

■ 24.2630, 10.7323,  
95.4005

# Harmonies

## Analogous

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



89.5978, 94.0655, 109.1895



90.7351, 94.0655, 107.9820



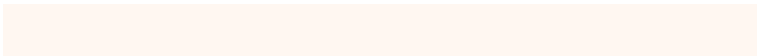
91.5217, 94.0655, 105.2854

# Triad

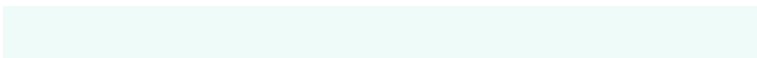
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.7351, 94.0655, 107.9820



90.4010, 94.0655, 96.5275



87.1133, 94.0655, 102.9700

# Complementary

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



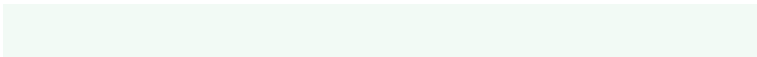
90.7351, 94.0655, 107.9820



92.6958, 98.9320, 102.2106

# 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.



87.3241, 94.0655, 99.6097



90.7351, 94.0655, 107.9820



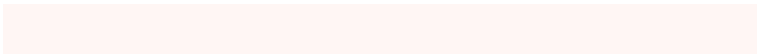
89.2153, 94.0655, 95.9388

# Square

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



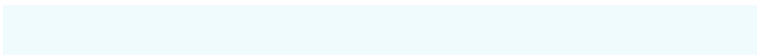
90.7351, 94.0655, 107.9820



91.3275, 94.0655, 98.6813



88.0908, 94.0655, 97.0549



87.5125, 94.0655, 106.2547

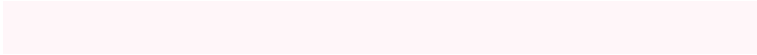


# Rectangle

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



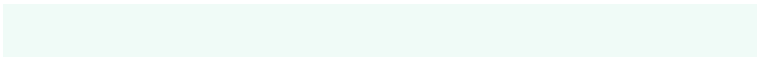
90.7351, 94.0655, 107.9820



91.7375, 94.0655, 103.0334



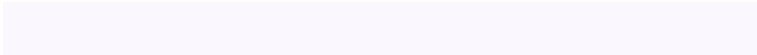
88.0908, 94.0655, 97.0549



87.1152, 94.0655, 101.8117

# Sweetspot

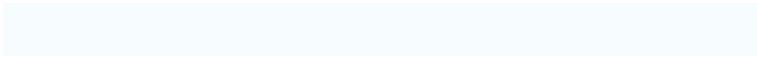
The Sweet Spot groups the original color and five complimentary colors.



90.7375, 94.0694, 107.9826



93.6578, 98.0826, 108.6033



91.2418, 96.6593, 108.4559



20.0613, 21.0139, 23.2487



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.



90.7375, 94.0694, 107.9826



89.5744, 92.4743, 107.7360



92.1615, 94.8035, 108.0492



18.9581, 19.4995, 23.0145



12.0797, 5.1378, 49.7896



1.2924, 0.5602, 4.8533



# Inverse Universe

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



92.0739, 94.8136, 105.5469



91.2725, 93.4201, 104.6348



91.2862, 98.2053, 102.1446



19.3884, 19.7392, 22.2274



24.9133, 12.4546, 18.7258

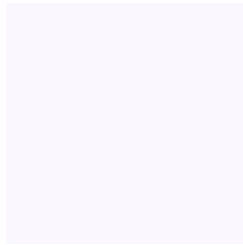


2.4787, 1.2339, 2.1024



# Previews

## White Background



This preview shows how the XYZ color 90.7351, 94.0655, 107.9820 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

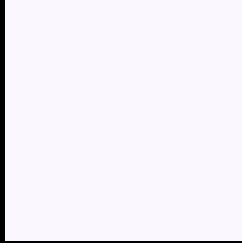
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 90.7351, 94.0655, 107.9820 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

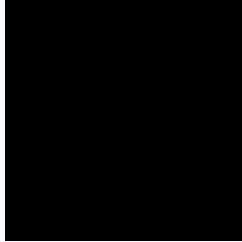
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 90.7351, 94.0655, 107.9820

## Background



This preview shows how black text looks on a background with the XYZ color 90.7351, 94.0655, 107.9820.



This preview shows how white text looks on a background with the XYZ color 90.7351, 94.0655,



# 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**

90.7351, 94.0655, 107.9820

**Protanopia**

91.0944, 94.2508, 107.9988

**Deuteranopia**

91.6084, 94.1366, 104.6087

## **Tritanopia**

90.7351, 94.0655, 107.9820

# Trichromacy

## Original Color

90.7351, 94.0655, 107.9820

## Protanomaly

91.0944, 94.2508, 107.9988

## Deuteranomaly

91.0345, 93.8225, 105.4070

## Tritanomaly

90.7351, 94.0655, 107.9820

# Monochromacy

## Original Color

90.7351, 94.0655, 107.9820

## Achromatopsia

90.0415, 94.7307, 103.1617

## Achromatomaly

90.0469, 94.2396, 104.7109

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 90.7351, 94.0655, 107.9820 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, 247, 255) looks like.

```
.text, #text, p{  
    color:rgb(250, 247, 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, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 247, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 90.7351, 94.0655, 107.9820 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, 247, 255) }
```



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

```
.border{ border-color:rgb(250, 247, 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, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(250, 247,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 90.7351, 94.0655, 107.9820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 247, 255) }
```

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

```
.background{ background-color: rgb(250,  
247, 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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