

# Converting Colors

XYZ(93.8299, 94.5252,  
115.4264)

Have a look what the booklet for  
XYZ(93.8299, 94.5252, 115.4264)  
contains.

<b>XYZ(91.9424, 93.7848, 107.8641)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(91.9424, 93.7848,  
107.8641)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF5FF
RGB	255, 245, 255
RGB Percent	100%, 96%, 100%
CMY	0.0000, 0.0392, 0.0000
CMYK	0.00, 0.04, 0.00, 0.00
HSL	300°, 100%, 98%
HSV	300°, 4%, 100%
XYZ	91.9424, 93.7848, 107.8641
YIQ	249.1300, 2.7500, 5.2300

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 245, 255
Decimal	16774655
CIE <sub>Lab</sub>	97.55, 5.08, -3.61
CIE <sub>LCh</sub>	98, 6.227, 324.609
Yxy	93.7848, 0.3132, 0.3194
Android (android.graphics.Color)	4294964735 (0xFFFFF5FF)
YUV	249.1300, 2.8939, 5.1480
Hunter-Lab	96.8426, -0.0064, 1.7521

# Details

The XYZ color 91.9424, 93.7848, 107.8641 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 89.9006, 97.5265, 100.4772, and the grayscale version is 90.1266, 94.8201, 103.2591.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 51.6793, 52.4782, 60.8316 is the 20% darker color. If you saturate the color by 10%, you get 84.7537, 79.4074, 105.4679, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

# Distribution



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



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



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 91.9424, 93.7848, 107.8641 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 91.9424, 93.7848, 107.8641 by changing the saturation by 10% instead.



 91.9424, 93.7848,  
107.8641

 91.9424, 93.7848,  
107.8641


522.4735,  
540.2673, 606.5828

 69.9344, 71.1240,  
82.2308

148.8983,  
152.5847, 174.0688

 51.7524, 52.4434,  
61.0189


184.5768,  
189.4925, 215.4773

 37.0312, 37.3586,  
43.8098


225.5428,  
231.9182, 262.9813

 25.4055, 25.4853,  
30.1849

272.1618,  
280.2460, 316.9994

 16.5097, 16.4390,  
19.7257

324.7990,  
334.8605, 377.9500

 9.9787, 9.8353,  
12.0137

383.8197,

 5.4470, 5.2899,

396.1459, 446.2518

6.6304

449.5895,  
464.4867, 522.3232

■ 2.5493, 2.4183,  
3.1571

■ 0.9202, 0.8353,  
1.1754

■ 91.9424, 93.7848,  
107.8641

■ 91.9424, 93.7848,  
107.8641

■ 84.7537, 79.4074,  
105.4679

95.0500, 100.0000,  
108.9000

■ 78.5831, 67.0662,  
103.4110

■ 73.3862, 56.6724,  
101.6787

■ 69.1134, 48.1267,  
100.2545

■ 65.7104, 41.3208,  
99.1201

■ 63.1177, 36.1353,  
98.2559

■ 61.2679, 32.4358,  
97.6393

■ 60.0831, 30.0663,  
97.2444

■ 59.4681, 28.8361,  
97.0394

# Harmonies

## Analogous

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



90.5641, 93.7848, 111.2342



91.9424, 93.7848, 107.8641



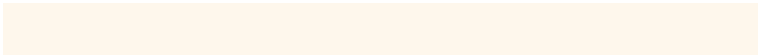
92.5703, 93.7848, 103.0340

# Triad

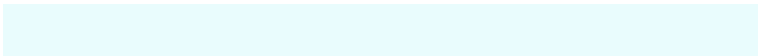
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



91.9424, 93.7848, 107.8641



89.4597, 93.7848, 92.7179



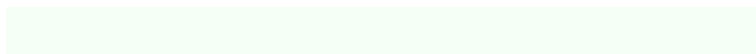
86.0817, 93.7848, 106.2277

# Complementary

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



91.9424, 93.7848, 107.8641



89.9006, 97.5265, 100.4772

# 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.



85.7948, 93.7848, 101.2029



91.9424, 93.7848, 107.8641



87.7302, 93.7848, 93.5097

# Square

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



91.9424, 93.7848, 107.8641



91.1248, 93.7848, 94.3757



86.3944, 93.7848, 96.5753



87.1835, 93.7848, 110.2677



# Rectangle

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



91.9424, 93.7848, 107.8641



92.4730, 93.7848, 99.6775



86.3944, 93.7848, 96.5753



85.8874, 93.7848, 104.5933

# Sweetspot

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



91.9442, 93.7884, 107.8647



94.2419, 98.3838, 108.6306



88.3625, 91.9420, 107.6971



20.1802, 21.0752, 23.2543



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.



91.9442, 93.7884, 107.8647



91.1166, 92.1332, 107.5889



91.1500, 93.4707, 103.6825



19.3889, 19.4928, 22.9905



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340



# Inverse Universe

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



91.9442, 93.7884, 107.8647



91.1166, 92.1332, 107.5889



90.6740, 97.8359, 104.5501



19.3889, 19.4928, 22.9905



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340



# Previews

## White Background



This preview shows how the XYZ color 91.9424, 93.7848, 107.8641 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

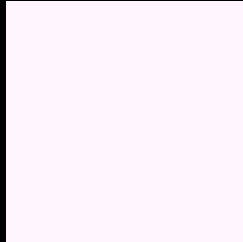
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 91.9424, 93.7848, 107.8641 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 91.9424, 93.7848, 107.8641

## Background



This preview shows how black text looks on a background with the XYZ color 91.9424, 93.7848, 107.8641.



This preview shows how white text looks on a background with the XYZ color 91.9424, 93.7848,



# 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

91.9424, 93.7848, 107.8641

### Protanopia

90.7351, 94.0655, 107.9820

### Deuteranopia

91.3050, 93.5299, 104.5076

## **Tritanopia**

91.1507, 93.8270, 107.9140

# Trichromacy

**Original Color**

91.9424, 93.7848, 107.8641

**Protanomaly**

91.1507, 93.8270, 107.9140

**Deuteranomaly**

91.4631, 93.5931, 105.3401

**Tritanomaly**

91.5138, 94.0142, 107.9310

# Monochromacy

**Original Color**

91.9424, 93.7848, 107.8641

**Achromatopsia**

90.0415, 94.7307, 103.1617

**Achromatomaly**

90.7636, 94.6091, 104.7444

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 91.9424, 93.7848, 107.8641 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, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 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(255, 245, 255) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to XYZ 91.9424, 93.7848, 107.8641 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, 245, 255) }
```



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

```
.border{ border-color:rgb(255, 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(255, 245, 255)` colored shadow looks like.

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

# Background

The CSS property to change the background color of an element to XYZ 91.9424, 93.7848, 107.8641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(255,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor