

# Converting Colors

XYZ(109.0524, 100.0000,  
157.7345)

Have a look what the booklet for  
XYZ(109.0524, 100.0000, 157.7345)  
contains.

<b>XYZ(91.0421, 91.9843, 107.5640)</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(91.0421, 91.9843,  
107.5640)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF2FF
RGB	255, 242, 255
RGB Percent	100%, 95%, 100%
CMY	0.0000, 0.0510, 0.0000
CMYK	0.00, 0.05, 0.00, 0.00
HSL	300°, 100%, 97%
HSV	300°, 5%, 100%
XYZ	91.0421, 91.9843, 107.5640
YIQ	247.3690, 3.5750, 6.7990

# Conversions

## Conversions Part 2

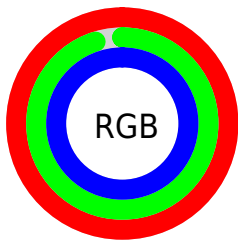
Format	Color
R <sub>Y</sub> B	255, 242, 255
Decimal	16773887
CIE Lab	96.81, 6.61, -4.68
CIE LCh	97, 8.100, 324.685
Yxy	91.9843, 0.3133, 0.3165
Android (android.graphics.Color)	4294963967 (0xFFFFF2FF)
YUV	247.3690, 3.7621, 6.6924
Hunter-Lab	95.9084, 1.6032, 0.6405

# Details

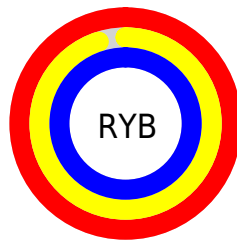
The XYZ color 91.0421, 91.9843, 107.5640 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 88.4080, 96.8095, 98.0357, and the grayscale version is 88.6784, 93.2966, 101.6000.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 51.0407, 51.2008, 60.6187 is the 20% darker color. If you saturate the color by 10%, you get 83.9757, 77.8515, 105.2086, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

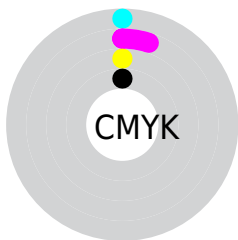
# Distribution



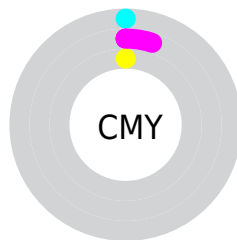
- Red (100%)
- Green (95%)
- Blue (100%)



- Red (100%)
- Yellow (95%)
- Blue (100%)



- Cyan (0%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (0%)
- Magenta (5%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 91.0421, 91.9843, 107.5640 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 91.0421, 91.9843, 107.5640 by changing the saturation by 10% instead.



91.0421, 91.9843,  
107.5640

91.0421, 91.9843,  
107.5640

519.6025,  
534.4648, 605.6334

69.1844, 69.6276,  
81.9804

147.6561,  
150.0916, 173.6559

51.1391, 51.2230,  
60.8137

183.1431,  
186.6110, 215.0012

36.5408, 36.3861,  
43.6452

223.9039,  
228.6201, 262.4376

25.0242, 24.7325,  
30.0566

270.3038,  
276.5033, 316.3835

16.2239, 15.8779,  
19.6291

322.7083,  
330.6450, 377.2575

9.7746, 9.4378,  
11.9443

381.4827,

5.3109, 5.0278,

391.4295, 445.4781

6.5837

446.9923,  
459.2413, 521.4639

■ 2.4674, 2.2636,  
3.1287

■ 0.8789, 0.7543,  
1.1607

■ 91.0421, 91.9843,  
107.5640

■ 91.0421, 91.9843,  
107.5640

■ 83.9757, 77.8515,  
105.2086

95.0500, 100.0000,  
108.9000

■ 77.9221, 65.7443,  
103.1907

■ 72.8366, 55.5732,  
101.4955

■ 68.6690, 47.2379,  
100.1063

■ 65.3646, 40.6291,  
99.0049

■ 62.8629, 35.6258,  
98.1710

■ 61.0957, 32.0913,  
97.5819

■ 59.9833, 29.8666,  
97.2111

■ 59.4277, 28.7554,  
97.0259

# Harmonies

## Analogous

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



89.2657, 91.9843, 111.9601



91.0421, 91.9843, 107.5640



91.8512, 91.9843, 101.3188

# Triad

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



91.0421, 91.9843, 107.5640



87.8336, 91.9843, 88.2058



83.5183, 91.9843, 105.4724

# Complementary

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



91.0421, 91.9843, 107.5640



88.4080, 96.8095, 98.0357

# 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.



83.1498, 91.9843, 99.0007



91.0421, 91.9843, 107.5640



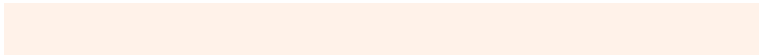
85.6163, 91.9843, 89.2108

# Square

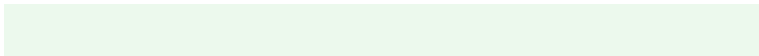
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



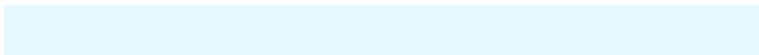
91.0421, 91.9843, 107.5640



89.9783, 91.9843, 90.2881



83.9115, 91.9843, 93.0948



84.9269, 91.9843, 110.7163

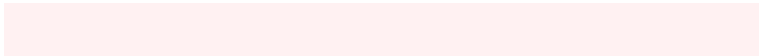


# Rectangle

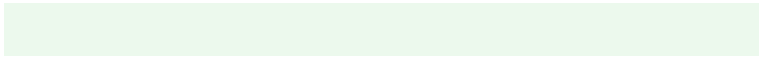
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91.0421, 91.9843, 107.5640



91.7231, 91.9843, 97.0166



83.9115, 91.9843, 93.0948



83.2697, 91.9843, 103.3609

# Sweetspot

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



91.0439, 91.9879, 107.5646



93.4445, 96.7891, 108.3648



86.4240, 89.6062, 107.3484



20.0178, 20.7505, 23.2001



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.



91.0439, 91.9879, 107.5646



90.3618, 90.6237, 107.3373



90.0154, 91.5765, 102.1484



19.2369, 19.1886, 22.9398



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340



# Inverse Universe

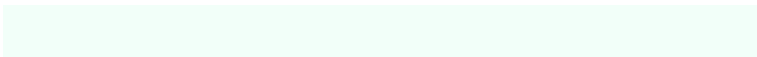
The Inverse Universe completely reimagines the original color for something new.



91.0439, 91.9879, 107.5646



90.3618, 90.6237, 107.3373



89.4015, 97.2069, 103.2675



19.2369, 19.1886, 22.9398



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340



# Previews

## White Background



This preview shows how the XYZ color 91.0421, 91.9843, 107.5640 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

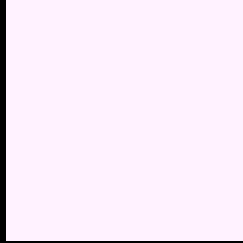
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 91.0421, 91.9843, 107.5640 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 91.0421, 91.9843, 107.5640

## Background



This preview shows how black text looks on a background with the XYZ color 91.0421, 91.9843, 107.5640.



This preview shows how white text looks on a background with the XYZ color 91.0421, 91.9843,



# 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

91.0421, 91.9843, 107.5640

### Protanopia

89.0602, 92.2990, 107.7292

### Deuteranopia

90.2474, 91.6664, 103.3793



## Tritanopia

90.2455, 92.0166, 107.6123

# Trichromacy



## Original Color

91.0421, 91.9843, 107.5640

## Protanomaly

89.8250, 92.2454, 107.6786

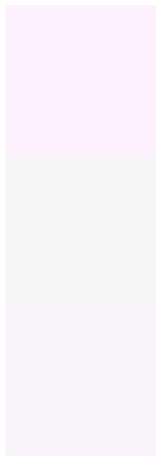
## Deuteranomaly

90.5628, 91.7925, 105.0400

## Tritanomaly

90.6086, 92.2038, 107.6293

# Monochromacy



## Original Color

91.0421, 91.9843, 107.5640

## Achromatopsia

88.4070, 93.0111, 101.2891

## Achromatomaly

89.3321, 92.5309, 103.5944

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 91.0421, 91.9843, 107.5640 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, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 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, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 91.0421, 91.9843, 107.5640 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, 242, 255) }
```



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

```
.border{ border-color:rgb(255, 242, 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, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 91.0421, 91.9843, 107.5640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 255) }
```

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

```
.background{ background-color: rgb(255,  
242, 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