

# Converting Colors

XYZ(88.9302, 91.7849,  
107.6369)

Have a look what the booklet for  
XYZ(88.9302, 91.7849, 107.6369)  
contains.

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# **Color**

**XYZ(88.7585, 91.6955,  
107.6287)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7F4FF
RGB	247, 244, 255
RGB Percent	97%, 96%, 100%
CMY	0.0314, 0.0431, 0.0000
CMYK	0.03, 0.04, 0.00, 0.00
HSL	256°, 100%, 98%
HSV	256°, 4%, 100%
XYZ	88.7585, 91.6955, 107.6287
YIQ	246.1510, -1.7430, 4.0570

# Conversions

## Conversions Part 2

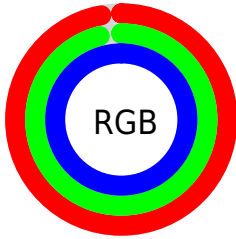
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	247, 244, 255
Decimal	16250111
CIE <sub>Lab</sub>	96.70, 2.96, -4.93
CIE <sub>LCh</sub>	97, 5.749, 301.028
Yxy	91.6955, 0.3081, 0.3183
Android (android.graphics.Color)	4294440191 (0xFFFF7F4FF)
YUV	246.1510, 4.3626, 0.7446
Hunter-Lab	95.7578, -2.1233, 0.3904

# Details

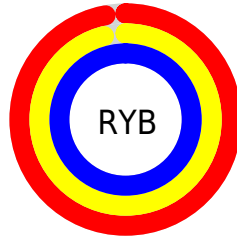
The XYZ color 88.7585, 91.6955, 107.6287 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 92.2362, 98.7481, 99.7914, and the grayscale version is 87.6885, 92.2551, 100.4659.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.6621, 51.1200, 60.6758 is the 20% darker color. If you saturate the color by 10%, you get 75.3911, 74.1934, 104.9550, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

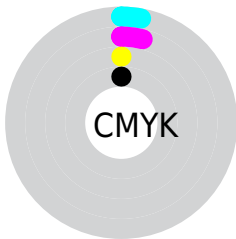
# Distribution



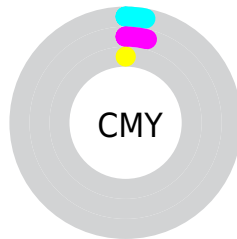
- Red (97%)
- Green (96%)
- Blue (100%)



- Red (97%)
- Yellow (96%)
- Blue (100%)



- Cyan (3%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (3%)
- Magenta (4%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 88.7585, 91.6955, 107.6287 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 88.7585, 91.6955, 107.6287 by changing the saturation by 10% instead.



88.7585, 91.6955,  
107.6287

88.7585, 91.6955,  
107.6287

512.2823,  
533.5309, 605.8382

67.2843, 69.3877,  
82.0344

144.4998,  
149.6913, 173.7449

49.5872, 51.0276,  
60.8579

179.4976,  
186.1481, 215.1039

35.3020, 36.2305,  
43.6807

219.7341,  
228.0901, 262.5548

24.0632, 24.6123,  
30.0842

265.5744,  
275.9016, 316.5163

15.5055, 15.7884,  
19.6499

317.3840,  
329.9671, 377.4068

9.2635, 9.3746,  
11.9593

375.5283,

4.9720, 4.9863,

390.6708, 445.6450

6.5938

440.3726,  
458.3973, 521.6492

■ 2.2654, 2.2392,  
3.1348

■ 0.7769, 0.7413,  
1.1639

■ 88.7585, 91.6955,  
107.6287

■ 88.7585, 91.6955,  
107.6287

■ 75.3911, 74.1934,  
104.9550

95.0500, 100.0000,  
108.9000

■ 63.6715, 59.0496,  
102.6496

■ 53.5357, 46.1650,  
100.6968

■ 44.9133, 35.4292,  
99.0791

■ 37.7279, 26.7223,  
97.7772

■ 31.8962, 19.9123,  
96.7701

■ 27.3257, 14.8512,  
96.0341

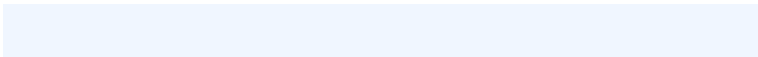
■ 23.9109, 11.3681,  
95.5418

■ 21.5263, 9.2554,  
95.2597

# Harmonies

## Analogous

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



87.2093, 91.6955, 108.9657



88.7585, 91.6955, 107.6287



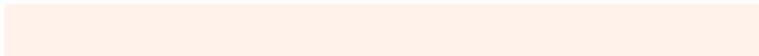
89.8890, 91.6955, 104.1951

# Triad

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



88.7585, 91.6955, 107.6287



88.6612, 91.6955, 92.2871



84.0965, 91.6955, 99.9998

# Complementary

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



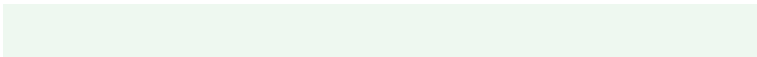
88.7585, 91.6955, 107.6287



92.2362, 98.7481, 99.7914

# 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.



84.4747, 91.6955, 95.6095



88.7585, 91.6955, 107.6287



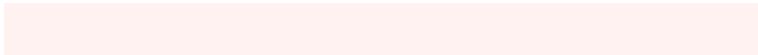
87.0983, 91.6955, 91.2401

# Square

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



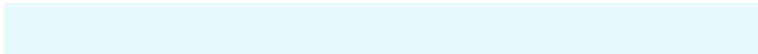
88.7585, 91.6955, 107.6287



89.8323, 91.6955, 95.3424



85.5686, 91.6955, 92.4380



84.5291, 91.6955, 104.4786



# Rectangle

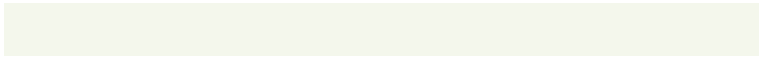
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



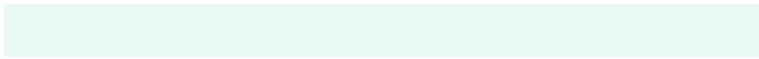
88.7585, 91.6955, 107.6287



90.2461, 91.6955, 101.2293



85.5686, 91.6955, 92.4380



84.1330, 91.6955, 98.4651

# Sweetspot

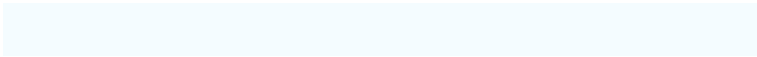
The Sweet Spot groups the original color and five complimentary colors.



88.7609, 91.6993, 107.6293



93.5627, 98.0337, 108.5988



90.1920, 96.1178, 108.4067



20.0420, 21.0040, 23.2478



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.



88.7609, 91.6993, 107.6293



87.7862, 90.4163, 107.4330



90.7049, 92.7015, 107.7203



18.5787, 19.0751, 22.9526



10.8540, 4.5059, 49.7322



1.1562, 0.4900, 4.8469



# Inverse Universe

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



91.1637, 92.9933, 105.2432



90.5621, 91.9114, 104.6690



90.2967, 97.7483, 99.7006



19.2538, 19.4387, 22.2786



26.2183, 12.9766, 25.5980

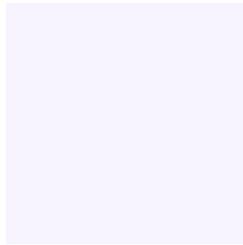


2.5987, 1.2819, 2.7342



# Previews

## White Background



This preview shows how the XYZ color 88.7585, 91.6955, 107.6287 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

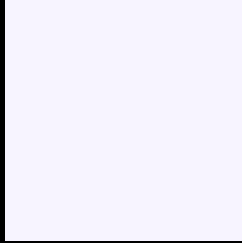
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 88.7585, 91.6955, 107.6287 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 88.7585, 91.6955, 107.6287

## Background



This preview shows how black text looks on a background with the XYZ color 88.7585, 91.6955, 107.6287.



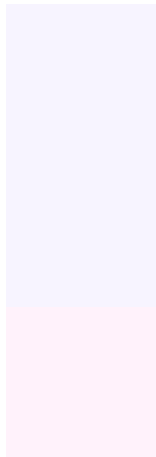
This preview shows how white text looks on a background with the XYZ color 88.7585, 91.6955,



# 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

88.7585, 91.6955, 107.6287

### Protanopia

88.7585, 91.6955, 107.6287

### Deuteranopia

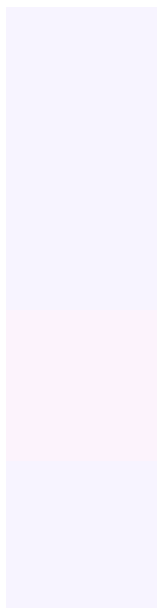
90.4047, 91.7293, 104.2075



## Tritanopia

88.7585, 91.6955, 107.6287

# Trichromacy



## Original Color

88.7585, 91.6955, 107.6287

## Protanomaly

88.7585, 91.6955, 107.6287

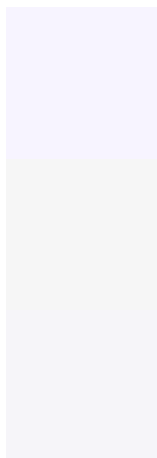
## Deuteranomaly

89.7662, 91.8249, 105.0883

## Tritanomaly

88.7585, 91.6955, 107.6287

# Monochromacy



## Original Color

88.7585, 91.6955, 107.6287

## Achromatopsia

87.5964, 92.1582, 100.3603

## Achromatomaly

87.7573, 91.7372, 102.7043

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 88.7585, 91.6955, 107.6287 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(247, 244, 255) looks like.

```
.text, #text, p{  
    color:rgb(247, 244, 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(247, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 244, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 88.7585, 91.6955, 107.6287 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(247, 244, 255) }
```



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

```
.border{ border-color:rgb(247, 244, 255) }
```

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

Here you see how a box with a 4 pixel rgb(247, 244, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(247, 244,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 88.7585, 91.6955, 107.6287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 244, 255) }
```

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

```
.background{ background-color: rgb(247,  
244, 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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