

# Converting Colors

XYZ(111.3484, 100.5921,  
217.8661)

Have a look what the booklet for  
XYZ(111.3484, 100.5921, 217.8661)  
contains.

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# **Color**

**XYZ(90.2455, 92.0166,  
107.6123)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCF3FF
RGB	252, 243, 255
RGB Percent	99%, 95%, 100%
CMY	0.0118, 0.0470, 0.0000
CMYK	0.01, 0.05, 0.00, 0.00
HSL	285°, 100%, 98%
HSV	285°, 5%, 100%
XYZ	90.2455, 92.0166, 107.6123
YIQ	247.0590, 1.5120, 5.6400

# Conversions

## Conversions Part 2

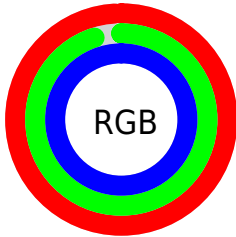
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	252, 243, 255
Decimal	16577535
CIE Lab	96.83, 5.11, -4.69
CIE LCh	97, 6.936, 317.462
Yxy	92.0166, 0.3113, 0.3174
Android (android.graphics.Color)	4294767615 (0xFFFCF3FF)
YUV	247.0590, 3.9149, 4.3333
Hunter-Lab	95.9253, 0.0617, 0.6341

# Details

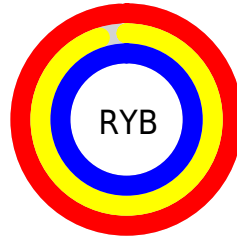
The XYZ color 90.2455, 92.0166, 107.6123 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 89.9460, 97.5850, 98.8937, and the grayscale version is 88.4265, 93.0316, 101.3114.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.4690, 51.2200, 60.6525 is the 20% darker color. If you saturate the color by 10%, you get 80.8690, 76.6324, 105.1370, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

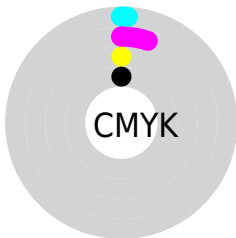
# Distribution



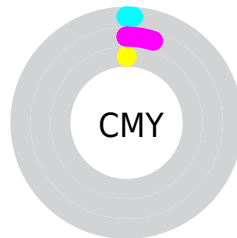
- Red (99%)
- Green (95%)
- Blue (100%)



- Red (99%)
- Yellow (95%)
- Blue (100%)



- Cyan (1%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (1%)
- Magenta (5%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 90.2455, 92.0166, 107.6123 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 90.2455, 92.0166, 107.6123 by changing the saturation by 10% instead.



90.2455, 92.0166,  
107.6123

90.2455, 92.0166,  
107.6123

517.0551,  
534.5692, 605.7863

68.5212, 69.6544,  
82.0207

146.5560,  
150.1364, 173.7223

50.5971, 51.2449,  
60.8467

181.8729,  
186.6628, 215.0779

36.1078, 36.4035,  
43.6717

222.4514,  
228.6794, 262.5251

24.6880, 24.7460,  
30.0772

268.6568,  
276.5706, 316.4826

15.9722, 15.8879,  
19.6446

320.8546,  
330.7208, 377.3690

9.5952, 9.4449,  
11.9555

379.4100,

5.1916, 5.0325,

391.5143, 445.6027

6.5912

444.6884,  
459.3357, 521.6022

■ 2.3960, 2.2663,  
3.1332

■ 0.8431, 0.7558,  
1.1631

■ 90.2455, 92.0166,  
107.6123

■ 90.2455, 92.0166,  
107.6123

■ 80.8690, 76.6324,  
105.1370

95.0500, 100.0000,  
108.9000

■ 72.5832, 63.3167,  
103.0035

■ 65.3433, 51.9800,  
101.1969

■ 59.0985, 42.5220,  
99.7005

■ 53.7935, 34.8333,  
98.4960

■ 49.3673, 28.7929,  
97.5634

■ 45.7513, 24.2647,  
96.8799

■ 42.8655, 21.0901,  
96.4193

■ 40.6118, 19.0744,  
96.1490

# Harmonies

## Analogous

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



88.5868, 92.0166, 110.7657



90.2455, 92.0166, 107.6123



91.1631, 92.0166, 102.5350

# Triad

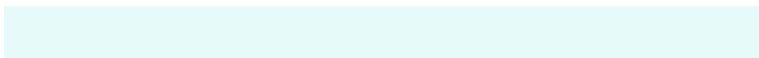
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.2455, 92.0166, 107.6123



88.2739, 92.0166, 90.0885



83.9376, 92.0166, 103.4411

# Complementary

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



90.2455, 92.0166, 107.6123



89.9460, 97.5850, 98.8937

# 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.



83.8567, 92.0166, 97.8819



90.2455, 92.0166, 107.6123



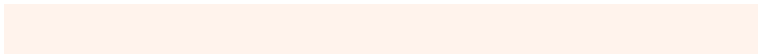
86.3408, 92.0166, 90.3107

# Square

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



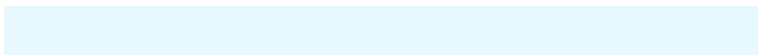
90.2455, 92.0166, 107.6123



90.0135, 92.0166, 92.4991



84.7305, 92.0166, 93.1179



84.9533, 92.0166, 108.2967

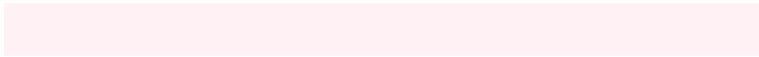


# Rectangle

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



90.2455, 92.0166, 107.6123



91.2223, 92.0166, 98.8049



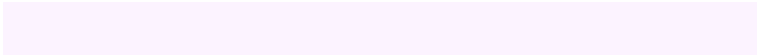
84.7305, 92.0166, 93.1179



83.8007, 92.0166, 101.5888

# Sweetspot

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



90.2479, 92.0204, 107.6129



94.0078, 98.2631, 108.6197



87.9712, 92.1899, 107.7656



20.1325, 21.0507, 23.2520



0.0000, 0.0000, 0.0000

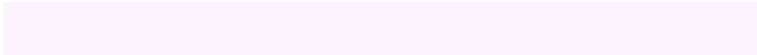


20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.2479, 92.0204, 107.6129



88.9688, 89.9055, 107.2721



90.8632, 92.3930, 105.1413



18.9066, 19.0183, 22.9244



20.8362, 9.6519, 50.1994

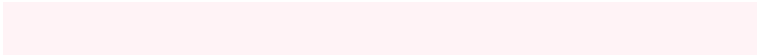


2.1285, 0.9912, 4.8924



# Inverse Universe

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



89.9275, 92.0187, 100.2136



88.5688, 89.9065, 97.8955



89.3594, 97.2298, 101.2498



18.8127, 19.0189, 20.7063



22.0783, 11.3206, 3.7968

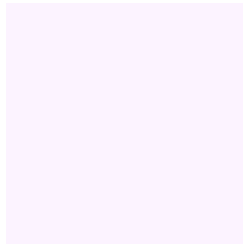


2.1912, 1.1188, 0.5882



# Previews

## White Background



This preview shows how the XYZ color 90.2455, 92.0166, 107.6123 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

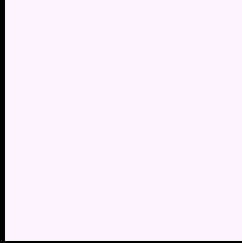
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 90.2455, 92.0166, 107.6123 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

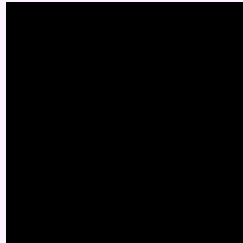
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 90.2455, 92.0166, 107.6123

## Background



This preview shows how black text looks on a background with the XYZ color 90.2455, 92.0166, 107.6123.



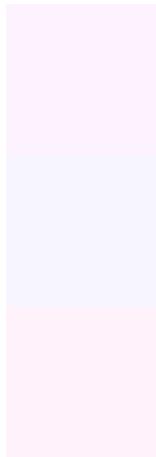
This preview shows how white text looks on a background with the XYZ color 90.2455, 92.0166,



# 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

90.2455, 92.0166, 107.6123

### Protanopia

89.0602, 92.2990, 107.7292

### Deuteranopia

90.4047, 91.7293, 104.2075



## Tritanopia

89.8250, 92.2454, 107.6786

# Trichromacy



**Original Color**

90.2455, 92.0166, 107.6123

**Protanomaly**

89.4676, 92.0611, 107.6619

**Deuteranomaly**

90.1959, 91.6034, 105.0228

**Tritanomaly**

90.1843, 92.4306, 107.6954

# Monochromacy



**Original Color**

90.2455, 92.0166, 107.6123

**Achromatopsia**

88.4070, 93.0111, 101.2891

**Achromatomaly**

89.2780, 92.9534, 103.6788

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 90.2455, 92.0166, 107.6123 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(252, 243, 255) looks like.

```
.text, #text, p{  
    color:rgb(252, 243, 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(252, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 243, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 90.2455, 92.0166, 107.6123 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(252, 243, 255) }
```



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

```
.border{ border-color:rgb(252, 243, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 243, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(252, 243,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 90.2455, 92.0166, 107.6123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 243, 255) }
```

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

```
.background{ background-color: rgb(252,  
243, 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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