

# Converting Colors

XYZ(87.7760, 90.6157,  
101.2790)

Have a look what the booklet for  
XYZ(87.7760, 90.6157, 101.2790)  
contains.

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# **Color**

**XYZ(87.7623, 90.4213,  
101.6344)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9F2F8
RGB	249, 242, 248
RGB Percent	98%, 95%, 97%
CMY	0.0235, 0.0510, 0.0274
CMYK	0.00, 0.03, 0.00, 0.02
HSL	309°, 37%, 96%
HSV	309°, 3%, 98%
XYZ	87.7623, 90.4213, 101.6344
YIQ	244.7770, 2.2460, 3.3500

# Conversions

## Conversions Part 2

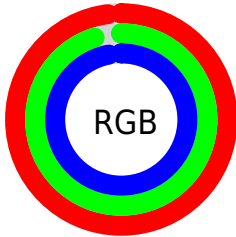
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	249, 242, 248
Decimal	16380664
CIE <sub>Lab</sub>	96.17, 3.39, -2.06
CIE <sub>LCh</sub>	96, 3.966, 328.692
Yxy	90.4213, 0.3136, 0.3231
Android (android.graphics.Color)	4294570744 (0xFF9F2F8)
YUV	244.7770, 1.5889, 3.7036
Hunter-Lab	95.0901, -1.6632, 3.1926

# Details

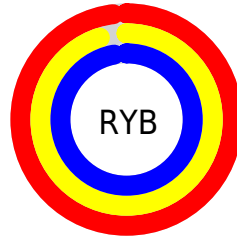
The XYZ color **87.7623, 90.4213, 101.6344** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **86.6747, 93.1020, 98.2008**, and the grayscale version is **86.6005, 91.1104, 99.2192**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **49.0657, 50.2610, 56.9845** is the 20% darker color. If you saturate the color by 10%, you get **80.3040, 76.3788, 96.4508**, and if you desaturate by 10%, it is **92.3286, 98.6605, 105.9080**.

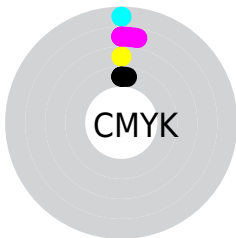
# Distribution



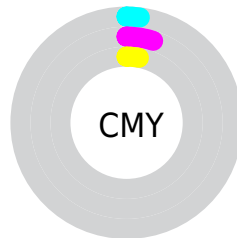
- Red (98%)
- Green (95%)
- Blue (97%)



- Red (98%)
- Yellow (95%)
- Blue (97%)



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



- Cyan (2%)
- Magenta (5%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.7623, 90.4213, 101.6344 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 87.7623, 90.4213, 101.6344 by changing the saturation by 10% instead.



87.7623, 90.4213,  
101.6344

87.7623, 90.4213,  
101.6344

509.0716,  
529.4004, 586.7115

66.4564, 68.3301,  
77.0417

143.1204,  
147.9235, 165.4728

48.9120, 50.1664,  
56.7754

177.9033,  
184.1032, 205.5557

34.7640, 35.5456,  
40.4167

217.9092,  
225.7480, 251.6390

23.6468, 24.0835,  
27.5474

263.5035,  
273.2421, 304.1413

15.1951, 15.3955,  
17.7487

315.0515,  
326.9700, 363.4812

9.0436, 9.0975,  
10.6021

372.9186,

4.8270, 4.8048,

387.3161, 430.0771

5.6892

437.4702,  
454.6648, 504.3477

■ 2.1798, 2.1332,  
2.5913

■ 0.7321, 0.6832,  
0.8880

■ 87.7623, 90.4213,  
101.6344

■ 87.7623, 90.4213,  
101.6344

■ 80.3040, 76.3788,  
96.4508

■ 92.3286, 98.6605,  
105.9080

■ 73.8221, 64.2736,  
91.6432

■ 92.8775, 98.8800,  
108.7983

■ 68.2757, 54.0229,  
87.1986

■ 63.6185, 45.5339,  
83.1013

■ 59.7997, 38.7054,  
79.3342

■ 56.7637, 33.4262,  
75.8784

■ 54.4480, 29.5711,  
72.7127

■ 52.7803, 26.9960,  
69.8128

■ 51.6731, 25.5259,  
67.1493

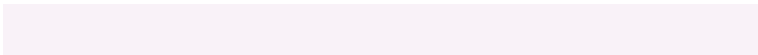
# Harmonies

## Analogous

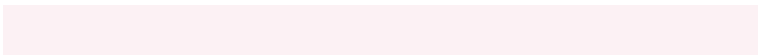
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.9621, 90.4213, 103.8626



87.7623, 90.4213, 101.6344



88.0744, 90.4213, 98.5918

# Triad

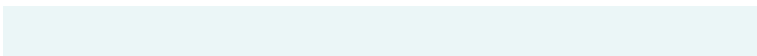
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.7623, 90.4213, 101.6344



85.9910, 90.4213, 92.5216



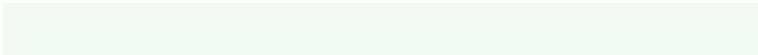
84.1009, 90.4213, 101.3900

# Complementary

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



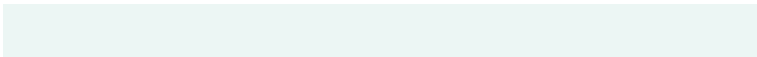
87.7623, 90.4213, 101.6344



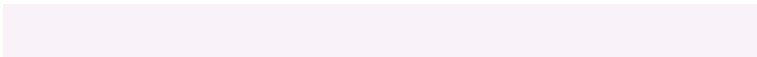
86.6747, 93.1020, 98.2008

# 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.



83.8457, 90.4213, 98.3152



87.7623, 90.4213, 101.6344



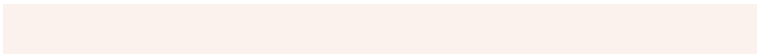
84.9314, 90.4213, 93.2354

# Square

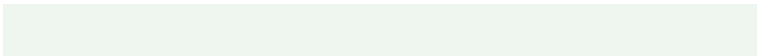
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



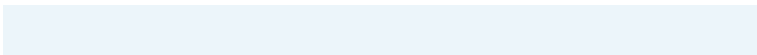
87.7623, 90.4213, 101.6344



87.0464, 90.4213, 93.3688



84.1485, 90.4213, 95.3395



84.8485, 90.4213, 103.7194

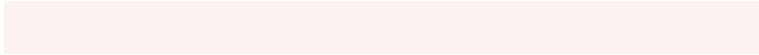


# Rectangle

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



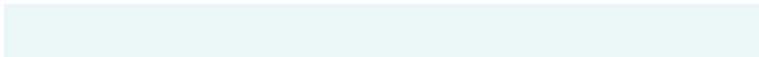
87.7623, 90.4213, 101.6344



87.9616, 90.4213, 96.5251



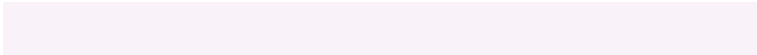
84.1485, 90.4213, 95.3395



83.9550, 90.4213, 100.4072

# Sweetspot

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



87.7649, 90.4252, 101.6364



94.1833, 98.3603, 108.3219



85.7940, 89.3912, 102.3562



20.1682, 21.0704, 23.1914



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.



87.7649, 90.4252, 101.6364



92.4823, 95.1456, 107.1781



87.2373, 90.2142, 98.8584



18.8139, 19.2388, 21.8689



27.4094, 13.3795, 35.1940

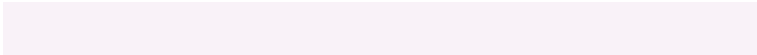


2.5669, 1.2505, 3.4086



# Inverse Universe

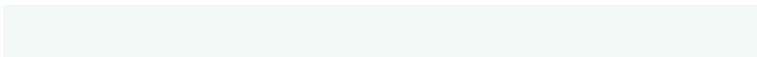
The Inverse Universe completely reimagines the original color for something new.



87.7649, 90.4252, 101.6364



92.4823, 95.1456, 107.1781



87.1978, 93.3113, 100.9555



18.8139, 19.2388, 21.8689



27.4094, 13.3795, 35.1940

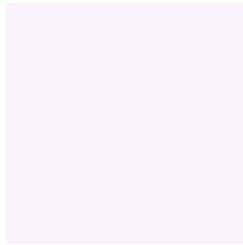


2.5669, 1.2505, 3.4086



# Previews

## White Background



This preview shows how the XYZ color 87.7623, 90.4213, 101.6344 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

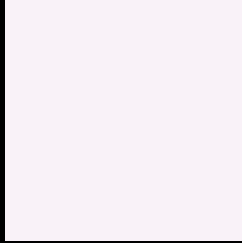
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 87.7623, 90.4213, 101.6344 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 87.7623, 90.4213, 101.6344

## Background



This preview shows how black text looks on a background with the XYZ color 87.7623, 90.4213, 101.6344.



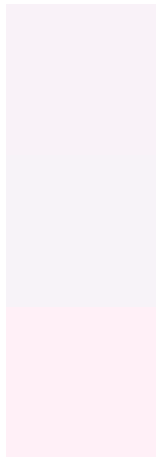
This preview shows how white text looks on a background with the XYZ color 87.7623, 90.4213,

101.6344.

# 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

87.7623, 90.4213, 101.6344

### Protanopia

87.3516, 90.6527, 101.7007

### Deuteranopia

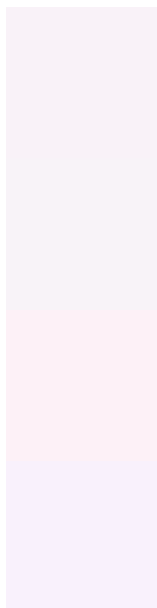
89.1886, 90.2956, 100.7237



## Tritanopia

88.5722, 90.2703, 107.3634

# Trichromacy



## Original Color

87.7623, 90.4213, 101.6344

## Protanomaly

87.7053, 90.8350, 101.7173

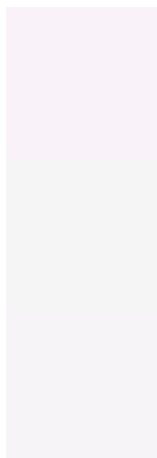
## Deuteranomaly

88.7518, 90.5086, 100.7879

## Tritanomaly

88.0929, 90.0786, 104.8394

# Monochromacy



## Original Color

87.7623, 90.4213, 101.6344

## Achromatopsia

86.7900, 91.3099, 99.4364

## Achromatomaly

86.9913, 90.9480, 100.1586

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.7623, 90.4213, 101.6344 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(249, 242, 248) looks like.

```
.text, #text, p{  
    color:rgb(249, 242, 248)  
}
```

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(249, 242, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 242, 248) }
```

## Border

The CSS property to change the border of an element to XYZ 87.7623, 90.4213, 101.6344 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(249, 242, 248) }
```



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

```
.border{ border-color:rgb(249, 242, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 242, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 242, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 242, 248);  
box-shadow:4px 4px 4px 4px rgb(249, 242,  
248) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.7623, 90.4213, 101.6344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 242, 248) }
```

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

```
.background{ background-color: rgb(249,  
242, 248) }
```

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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