

# Converting Colors

XYZ(87.6564, 91.6949, 99.8653)

Have a look what the booklet for  
XYZ(87.6564, 91.6949, 99.8653)  
contains.

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# **Color**

**XYZ(87.6447, 91.7328,  
100.2756)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7F5F6
RGB	247, 245, 246
RGB Percent	97%, 96%, 96%
CMY	0.0314, 0.0392, 0.0353
CMYK	0.00, 0.01, 0.00, 0.03
HSL	330°, 11%, 96%
HSV	330°, 1%, 97%
XYZ	87.6447, 91.7328, 100.2756
YIQ	245.7120, 0.8710, 0.7350

# Conversions

## Conversions Part 2

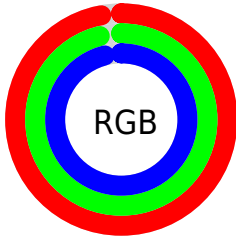
Format	Color
R <sub>Y</sub> B	247, 245, 246
Decimal	16250358
CIE Lab	96.71, 0.84, -0.26
CIE LCh	97, 0.882, 343.178
Yxy	91.7328, 0.3134, 0.3280
Android (android.graphics.Color)	4294440438 (0xFFFF7F5F6)
YUV	245.7120, 0.1420, 1.1296
Hunter-Lab	95.7772, -4.2668, 4.9694

# Details

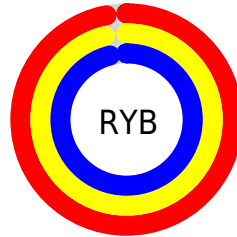
The XYZ color 87.6447, 91.7328, 100.2756 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 87.5549, 92.5901, 100.4504, and the grayscale version is 87.3654, 91.9152, 100.0957.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 48.9777, 51.1893, 56.0143 is the 20% darker color. If you saturate the color by 10%, you get 78.8295, 77.0406, 88.2767, and if you desaturate by 10%, it is 92.1683, 98.5144, 108.7651.

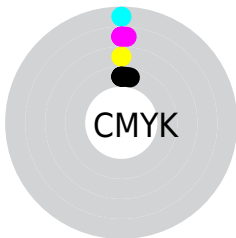
# Distribution



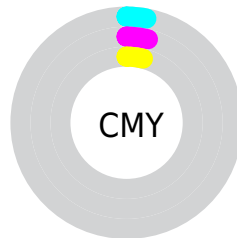
- Red (97%)
- Green (96%)
- Blue (96%)



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



- Cyan (0%)
- Magenta (1%)
- Yellow (0%)
- Black (3%)



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.6447, 91.7328, 100.2756 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 87.6447, 91.7328, 100.2756 by changing the saturation by 10% instead.



87.6447, 91.7328,  
100.2756

87.6447, 91.7328,  
100.2756

508.6918,  
533.6516, 582.3301

66.3587, 69.4187,  
75.9126

142.9575,  
149.7430, 163.5910

48.8324, 51.0528,  
55.8546

177.7149,  
186.2079, 203.3805

34.7005, 36.2506,  
39.6831

217.6935,  
228.1586, 249.1492

23.5977, 24.6278,  
26.9797

263.2587,  
275.9793, 301.3157

15.1586, 15.8000,  
17.3256

314.7757,  
330.0546, 360.2985

9.0178, 9.3827,  
10.3025

372.6101,

4.8100, 4.9917,

390.7688, 426.5162

5.4918

437.1270,  
458.5064, 500.3872

■ 2.1698, 2.2424,  
2.4749

■ 0.7268, 0.7429,  
0.8268

■ 87.6447, 91.7328,  
100.2756

■ 87.6447, 91.7328,  
100.2756

■ 78.8295, 77.0406,  
88.2767

■ 92.1683, 98.5144,  
108.7651

■ 71.0941, 64.3105,  
77.2489

■ 64.3968, 53.4619,  
67.1671

■ 58.6900, 44.4040,  
58.0025

■ 53.9223, 37.0383,  
49.7247

■ 50.0377, 31.2569,  
42.3013

■ 46.9733, 26.9391,  
35.6972

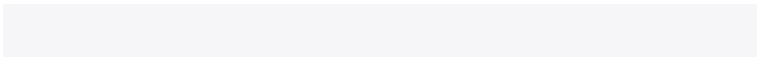
■ 44.6578, 23.9467,  
29.8735

■ 43.0059, 22.1144,  
24.7866

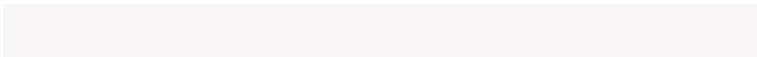
# Harmonies

## Analogous

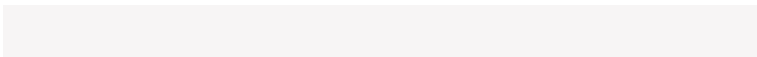
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.5147, 91.7328, 100.8766



87.6447, 91.7328, 100.2756



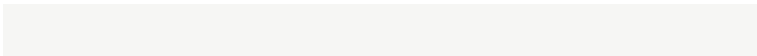
87.6525, 91.7328, 99.5716

# Triad

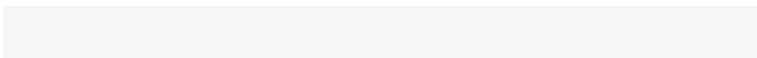
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.6447, 91.7328, 100.2756



87.0810, 91.7328, 98.5628



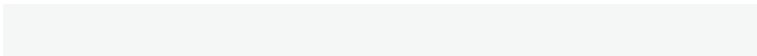
86.8434, 91.7328, 100.8151

# Complementary

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



87.6447, 91.7328, 100.2756



87.5549, 92.5901, 100.4504

# 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.



86.7276, 91.7328, 100.1918



87.6447, 91.7328, 100.2756



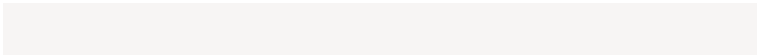
86.8647, 91.7328, 98.8928

# Square

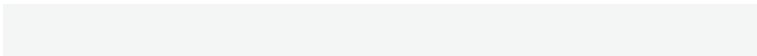
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.6447, 91.7328, 100.2756



87.3268, 91.7328, 98.5850



86.7354, 91.7328, 99.4883

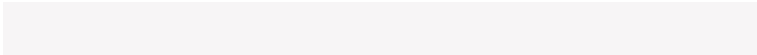


87.0519, 91.7328, 101.1891

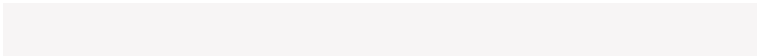


# Rectangle

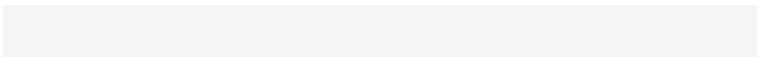
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



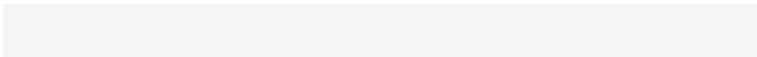
87.6447, 91.7328, 100.2756



87.5874, 91.7328, 99.1389



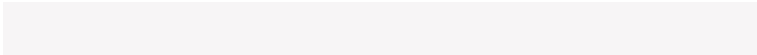
86.7354, 91.7328, 99.4883



86.7923, 91.7328, 100.6277

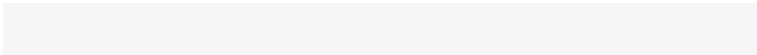
# Sweetspot

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



87.6473, 91.7367, 100.2776

95.0500, 100.0000, 108.9000



87.4503, 91.6174, 101.0717



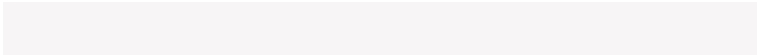
20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

# Same Dimension

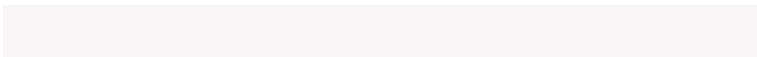
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.6473, 91.7367, 100.2776



94.0369, 98.3018, 107.5509



87.4948, 91.6758, 99.4747



18.4412, 19.2843, 21.0934



22.2570, 11.2462, 11.3277

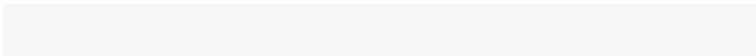


2.0080, 1.0092, 1.2687



# Inverse Universe

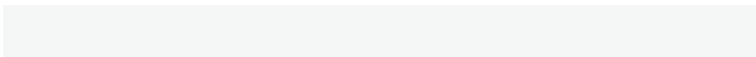
The Inverse Universe completely reimagines the original color for something new.



87.6473, 91.7367, 100.2776



94.0369, 98.3018, 107.5509



87.7082, 92.6515, 101.2577



18.4412, 19.2843, 21.0934



22.2570, 11.2462, 11.3277

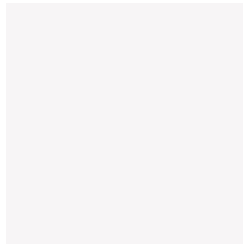


2.0080, 1.0092, 1.2687



# Previews

## White Background



This preview shows how the XYZ color 87.6447, 91.7328, 100.2756 looks on a white background.

## Color Contrast Check

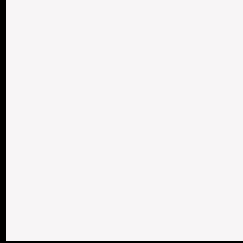
Large Text (above 18pt) WCAG AA × Fail

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 87.6447, 91.7328, 100.2756 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](#).

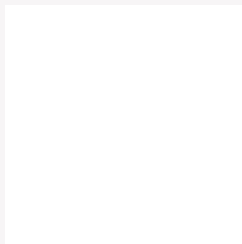


# XYZ 87.6447, 91.7328, 100.2756

## Background



This preview shows how black text looks on a background with the XYZ color 87.6447, 91.7328, 100.2756.



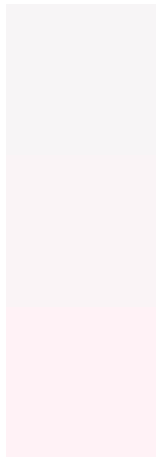
This preview shows how white text looks on a background with the XYZ color 87.6447, 91.7328,

100.2756.

# 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

87.6447, 91.7328, 100.2756

### Protanopia

88.4096, 91.6792, 100.2249

### Deuteranopia

89.6267, 91.4181, 100.1104



## Tritanopia

89.1121, 91.8778, 107.6452

# Trichromacy



**Original Color**

87.6447, 91.7328, 100.2756

**Protanomaly**

88.0522, 91.4949, 100.2082

**Deuteranomaly**

88.8300, 91.4505, 100.1586

**Tritanomaly**

88.6328, 91.6861, 105.1212

# Monochromacy



**Original Color**

87.6447, 91.7328, 100.2756

**Achromatopsia**

87.5964, 92.1582, 100.3603

**Achromatomaly**

87.5964, 92.1582, 100.3603

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.6447, 91.7328, 100.2756 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, 245, 246) looks like.

```
.text, #text, p{  
    color:rgb(247, 245, 246)  
}
```

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, 245, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 245, 246) }
```

## Border

The CSS property to change the border of an element to XYZ 87.6447, 91.7328, 100.2756 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, 245, 246) }
```

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

```
.border{ border-color:rgb(247, 245, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 245, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 245, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 245, 246);  
box-shadow:4px 4px 4px 4px rgb(247, 245,  
246) }
```



# Background

The CSS property to change the background color of an element to XYZ 87.6447, 91.7328, 100.2756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 245, 246) }
```

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

```
.background{ background-color: rgb(247,  
245, 246) }
```

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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