

# Converting Colors

XYZ(87.0881, 92.1471, 95.7452)

Have a look what the booklet for  
XYZ(87.0881, 92.1471, 95.7452)  
contains.

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# **Color**

**XYZ(87.0417, 91.9770,  
95.6038)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7F6F0
RGB	247, 246, 240
RGB Percent	97%, 96%, 94%
CMY	0.0314, 0.0353, 0.0588
CMYK	0.00, 0.00, 0.03, 0.03
HSL	51°, 30%, 95%
HSV	51°, 3%, 97%
XYZ	87.0417, 91.9770, 95.6038
YIQ	245.6150, 2.5220, -1.6540

# Conversions

## Conversions Part 2

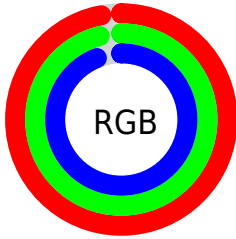
Format	Color
R <sub>Y</sub> B	241, 247, 240
Decimal	16250608
CIE Lab	96.81, -0.70, 2.99
CIE LCh	97, 3.069, 103.279
Yxy	91.9770, 0.3170, 0.3349
Android (android.graphics.Color)	4294440688 (0xFF7F6F0)
YUV	245.6150, -2.7682, 1.2146
Hunter-Lab	95.9046, -5.8290, 8.0292

# Details

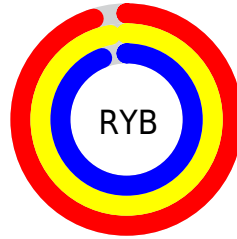
The XYZ color **87.0417, 91.9770, 95.6038** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **84.1789, 88.1499, 100.5747**, and the grayscale version is **87.3089, 91.8558, 100.0309**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.5510, 51.3640, 52.7027** is the 20% darker color. If you saturate the color by 10%, you get **82.5621, 88.4948, 77.2231**, and if you desaturate by 10%, it is **90.4444, 95.0666, 108.1905**.

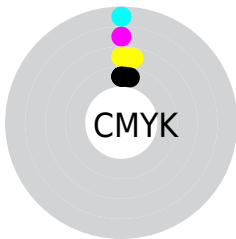
# Distribution



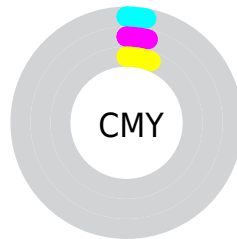
- Red (97%)
- Green (96%)
- Blue (94%)



- Red (95%)
- Yellow (97%)
- Blue (94%)



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



- Cyan (3%)
- Magenta (4%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.0417, 91.9770, 95.6038 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 87.0417, 91.9770, 95.6038 by changing the saturation by 10% instead.



87.0417, 91.9770,  
95.6038

87.0417, 91.9770,  
95.6038

506.7424,  
534.4412, 567.1298

65.8579, 69.6215,  
72.0380

142.1216,  
150.0815, 157.1013

48.4243, 51.2180,  
52.7027

176.7484,  
186.5993, 195.8700

34.3757, 36.3822,  
37.1794

216.5869,  
228.6067, 240.5434

23.3466, 24.7295,  
25.0495

262.0025,  
276.4881, 291.5400

14.9717, 15.8756,  
15.8946

313.3605,  
330.6279, 349.2784

8.8857, 9.4362,  
9.2960

371.0262,

4.7232, 5.0268,

391.4103, 414.1772

4.8353

435.3650,  
459.2200, 486.6548

■ 2.1189, 2.2630,  
2.0939

■ 0.6995, 0.7540,  
0.6122

■ 87.0417, 91.9770,  
95.6038

■ 87.0417, 91.9770,  
95.6038

■ 82.5621, 88.4948,  
77.2231

■ 90.4444, 95.0666,  
108.1905

■ 78.5795, 85.2406,  
61.3721

■ 91.5432, 97.2642,  
108.5568

■ 75.0750, 82.2097,  
47.9401

■ 92.1682, 98.5144,  
108.7651

■ 72.0255, 79.3925,  
36.8060

■ 69.4058, 76.7789,  
27.8380

■ 67.1883, 74.3576,  
20.8909

■ 65.3419, 72.1160,  
15.8019

■ 63.8309, 70.0395,  
12.3830

■ 62.6118, 68.1108,  
10.4062

# Harmonies

## Analogous

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



87.8985, 91.9770, 95.6753



87.0417, 91.9770, 95.6038



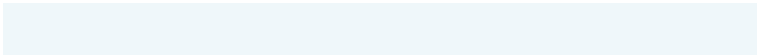
86.2915, 91.9770, 96.7354

# Triad

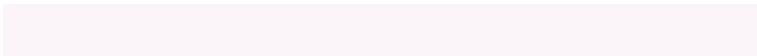
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.0417, 91.9770, 95.6038



86.2218, 91.9770, 103.4327



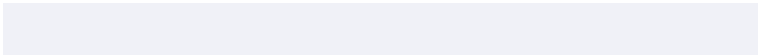
89.0163, 91.9770, 101.5175

# Complementary

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



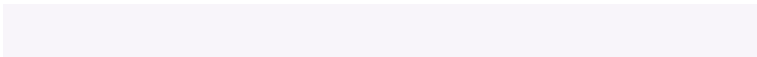
87.0417, 91.9770, 95.6038



84.1789, 88.1499, 100.5747

# Split Complementary

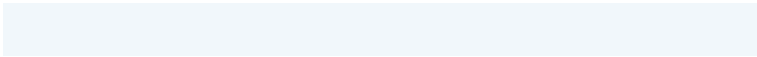
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.5611, 91.9770, 103.6385



87.0417, 91.9770, 95.6038



86.9460, 91.9770, 104.7566

# Square

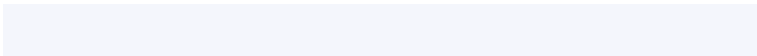
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



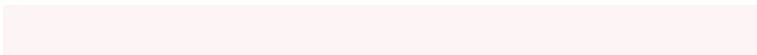
87.0417, 91.9770, 95.6038



85.8202, 91.9770, 101.2402



87.8022, 91.9770, 104.8326



89.0424, 91.9770, 99.0623

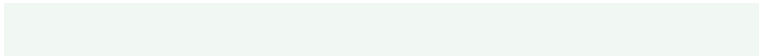


# Rectangle

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



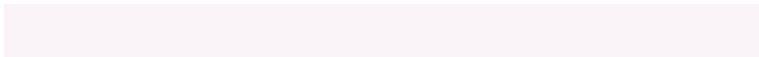
87.0417, 91.9770, 95.6038



85.9511, 91.9770, 98.0308



87.8022, 91.9770, 104.8326



88.9083, 91.9770, 102.2941

# Sweetspot

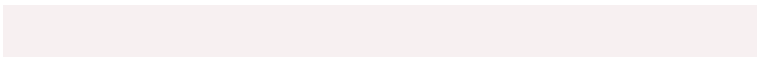
The Sweet Spot groups the original color and five complimentary colors.



87.0443, 91.9810, 95.6058



94.5265, 99.6057, 106.7135



85.4037, 88.4496, 95.8308



20.2381, 21.3239, 22.8641



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

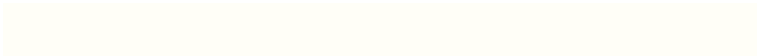


# Same Dimension

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



87.0443, 91.9810, 95.6058



93.4965, 98.8249, 102.4265



86.4895, 92.1456, 95.6668



18.2466, 19.3095, 19.7508



32.8016, 35.4888, 5.1212



2.9369, 3.2270, 0.4681



# Inverse Universe

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



84.1789, 88.1499, 100.5747



90.2335, 94.4622, 108.0850



84.7225, 87.9939, 100.5159



17.4438, 18.2361, 21.1431



9.2588, 4.3113, 46.8822

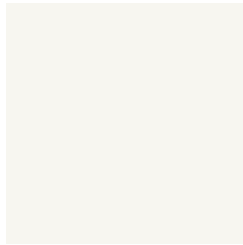


0.8709, 0.4932, 4.1395



# Previews

## White Background



This preview shows how the XYZ color 87.0417, 91.9770, 95.6038 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

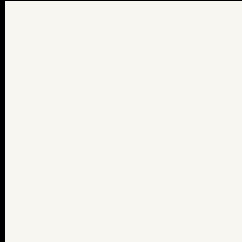
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 87.0417, 91.9770, 95.6038 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

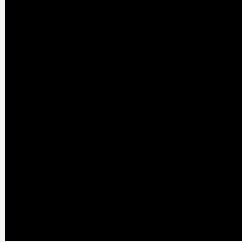
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

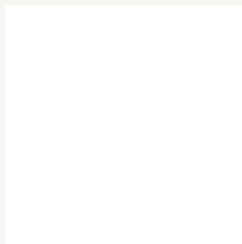
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 87.0417, 91.9770, 95.6038

## Background



This preview shows how black text looks on a background with the XYZ color 87.0417, 91.9770, 95.6038.



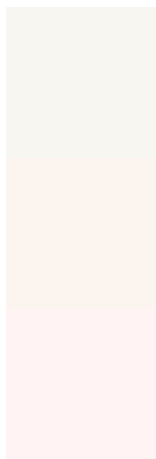
This preview shows how white text looks on a background with the XYZ color 87.0417, 91.9770,

95.638.

# 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

87.0417, 91.9770, 95.6038

### Protanopia

88.3773, 92.2323, 94.8060

### Deuteranopia

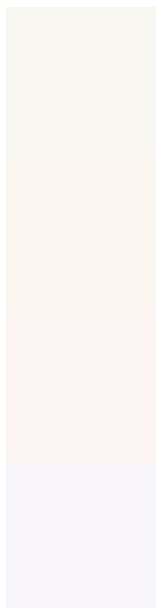
89.6197, 91.8928, 98.6016



## Tritanopia

89.1121, 91.8778, 107.6452

# Trichromacy



## Original Color

87.0417, 91.9770, 95.6038

## Protanomaly

87.6567, 91.8608, 94.7723

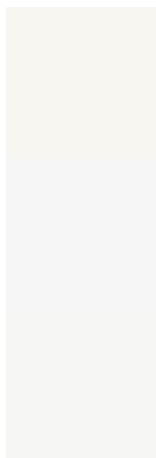
## Deuteranomaly

88.6732, 91.8679, 97.8527

## Tritanomaly

88.6191, 92.1634, 103.5611

# Monochromacy



## Original Color

87.0417, 91.9770, 95.6038

## Achromatopsia

87.5964, 92.1582, 100.3603

## Achromatomaly

87.2909, 92.0360, 98.7520

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.0417, 91.9770, 95.6038 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, 246, 240) looks like.

```
.text, #text, p{  
    color:rgb(247, 246, 240)  
}
```

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, 246, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 246, 240) }
```

## Border

The CSS property to change the border of an element to XYZ 87.0417, 91.9770, 95.6038 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, 246, 240) }
```



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

```
.border{ border-color:rgb(247, 246, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 246, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 246, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 246, 240);  
box-shadow:4px 4px 4px 4px rgb(247, 246,  
240) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.0417, 91.9770, 95.6038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 246, 240) }
```

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

```
.background{ background-color: rgb(247,  
246, 240) }
```

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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