

# Converting Colors

XYZ(87.0425, 92.1362, 99.8585)

Have a look what the booklet for  
XYZ(87.0425, 92.1362, 99.8585)  
contains.

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# **Color**

**XYZ(87.0504, 92.3472,  
99.6229)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | F4F7F5                     |
| RGB         | 244, 247, 245              |
| RGB Percent | 96%, 97%, 96%              |
| CMY         | 0.0431, 0.0313, 0.0392     |
| CMYK        | 0.01, 0.00, 0.01, 0.03     |
| HSL         | 140°, 16%, 96%             |
| HSV         | 140°, 1%, 97%              |
| XYZ         | 87.0504, 92.3472, 99.6229  |
| YIQ         | 245.8750, -1.1460, -1.2580 |

# Conversions

## Conversions Part 2

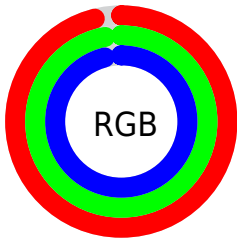
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 244, 246, 247                 |
| Decimal                             | 16054261                      |
| CIE Lab                             | 96.96, -1.34, 0.60            |
| CIE LCh                             | 97, 1.469, 155.859            |
| Yxy                                 | 92.3472, 0.3120,<br>0.3310    |
| Android<br>(android.graphics.Color) | 4294244341<br>(0xFF4F7F5)     |
| YUV                                 | 245.8750, -0.4314,<br>-1.6444 |
| Hunter-Lab                          | 96.0975, -6.4753,<br>5.8031   |

# Details

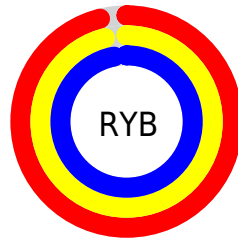
The XYZ color **87.0504, 92.3472, 99.6229** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **87.3464, 91.1317, 100.1799**, and the grayscale version is **87.5027, 92.0596, 100.2529**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.5551, 51.6271, 55.5500** is the 20% darker color. If you saturate the color by 10%, you get **76.6430, 87.2625, 86.5844**, and if you desaturate by 10%, it is **92.5526, 95.0051, 108.0675**.

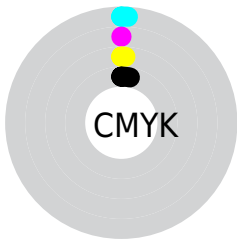
# Distribution



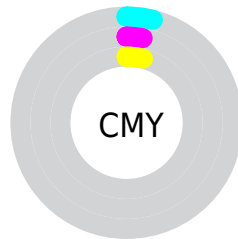
- Red (96%)
- Green (97%)
- Blue (96%)



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



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.0504, 92.3472, 99.6229 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 87.0504, 92.3472, 99.6229 by changing the saturation by 10% instead.



87.0504, 92.3472,  
99.6229

87.0504, 92.3472,  
99.6229

506.7705,  
535.6370, 580.2193

65.8651, 69.9290,  
75.3705

142.1337,  
150.5945, 162.6862

48.4302, 51.4687,  
55.4129

176.7624,  
187.1925, 202.3342

34.3804, 36.5817,  
39.3316

216.6029,  
229.2858, 247.9512

23.3502, 24.8838,  
26.7080

262.0206,  
277.2589, 299.9557

14.9744, 15.9905,  
17.1235

313.3809,  
331.4962, 358.7662

8.8876, 9.5174,  
10.1597

371.0491,

4.7245, 5.0802,

392.3820, 424.8013

5.3980

435.3905,  
460.3008, 498.4795

■ 2.1196, 2.2944,  
2.4198

■ 0.6998, 0.7707,  
0.7972

■ 87.0504, 92.3472,  
99.6229

■ 87.0504, 92.3472,  
99.6229

■ 76.6430, 87.2625,  
86.5844

■ 92.5526, 95.0051,  
108.0675

■ 67.5546, 82.8298,  
74.7450

■ 59.7332, 79.0259,  
64.0724

■ 53.1206, 75.8213,  
54.5309

■ 47.6538, 73.1844,  
46.0828

■ 43.2640, 71.0805,  
38.6886

■ 39.8745, 69.4709,  
32.3060

■ 37.3979, 68.3115,  
26.8899

■ 35.7305, 67.5497,  
22.3914

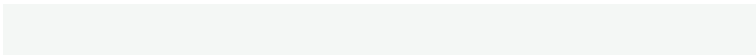
# Harmonies

## Analogous

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



87.3088, 92.3472, 98.7180



87.0504, 92.3472, 99.6229



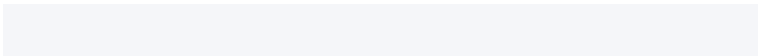
86.9855, 92.3472, 100.7828

# Triad

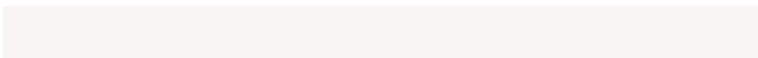
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.0504, 92.3472, 99.6229



87.8544, 92.3472, 102.8304



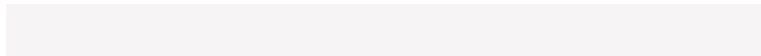
88.4186, 92.3472, 99.2237

# Complementary

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



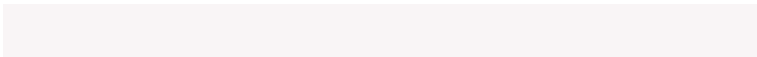
87.0504, 92.3472, 99.6229



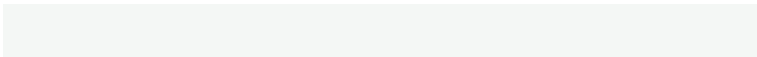
87.3464, 91.1317, 100.1799

# Split Complementary

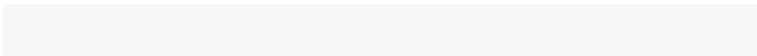
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.5658, 92.3472, 100.3184



87.0504, 92.3472, 99.6229



88.2394, 92.3472, 102.4054

# Square

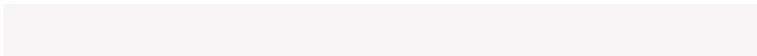
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



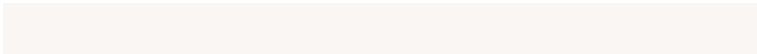
87.0504, 92.3472, 99.6229



87.4488, 92.3472, 102.6406



88.5001, 92.3472, 101.4836



88.0985, 92.3472, 98.4888

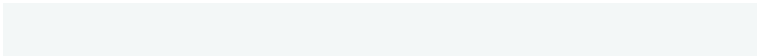


# Rectangle

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



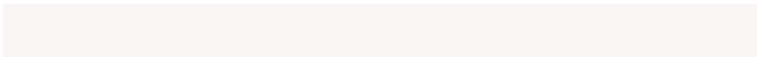
87.0504, 92.3472, 99.6229



87.0604, 92.3472, 101.5459



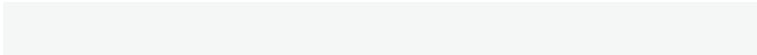
88.5001, 92.3472, 101.4836



88.4900, 92.3472, 99.5615

# Sweetspot

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



87.0530, 92.3512, 99.6249

95.0500, 100.0000, 108.9000



87.6171, 92.6595, 98.8564



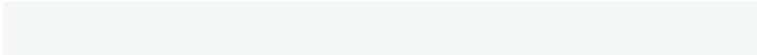
20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

# Same Dimension

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



87.0530, 92.3512, 99.6249



93.8453, 99.4105, 107.4203



87.2758, 92.4403, 100.7983



18.4057, 19.4900, 21.0692



18.4592, 35.5285, 10.4377

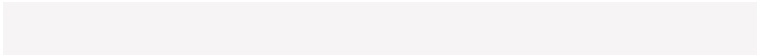


1.6681, 3.1409, 1.1582



# Inverse Universe

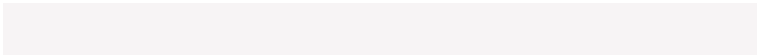
The Inverse Universe completely reimagines the original color for something new.



87.3464, 91.1317, 100.1799



94.1055, 98.3292, 107.9124



87.1241, 91.0428, 99.0094



18.4540, 19.2894, 21.1605



23.9358, 11.9177, 20.1679

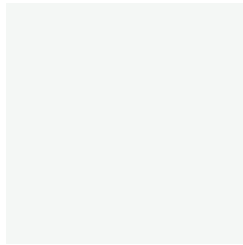


2.1513, 1.0665, 2.0229



# Previews

## White Background



This preview shows how the XYZ color 87.0504, 92.3472, 99.6229 looks on a white background.

## Color Contrast Check

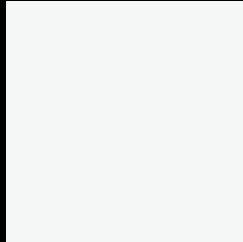
Large Text (above 18pt) WCAG AA × Fail

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 87.0504, 92.3472, 99.6229 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

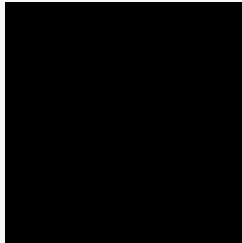
Any Text WCAG AAA ✓ Pass

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

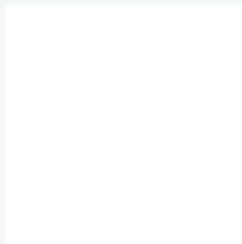


**XYZ 87.0504, 92.3472, 99.6229**

## **Background**



This preview shows how black text looks on a background with the XYZ color 87.0504, 92.3472, 99.6229.



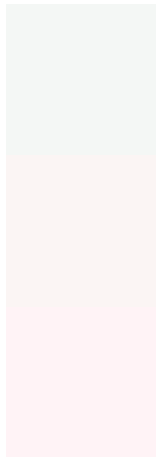
This preview shows how white text looks on a background with the XYZ color 87.0504, 92.3472,

99.6 29.

# 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

87.0504, 92.3472, 99.6229

### Protanopia

88.7652, 92.3457, 98.7340

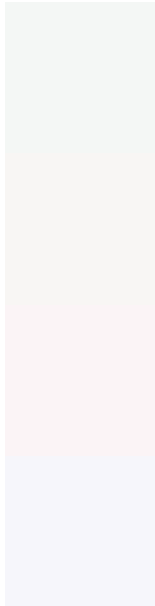
### Deuteranopia

89.9251, 92.0150, 100.2099

## **Tritanopia**

89.0602, 92.2990, 107.7292

# Trichromacy



## Original Color

87.0504, 92.3472, 99.6229

## Protanomaly

87.9963, 92.3996, 98.7850

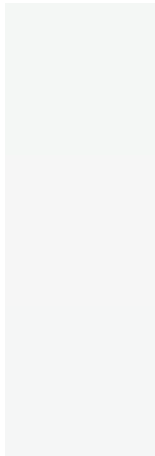
## Deuteranomaly

88.7689, 91.8644, 100.2418

## Tritanomaly

88.3744, 92.4694, 104.4573

# Monochromacy



## Original Color

87.0504, 92.3472, 99.6229

## Achromatopsia

87.5964, 92.1582, 100.3603

## Achromatomaly

87.2465, 91.9778, 100.3439

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.0504, 92.3472, 99.6229 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(244, 247, 245) looks like.

```
.text, #text, p{  
    color:rgb(244, 247, 245)  
}
```

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(244, 247, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 247, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 87.0504, 92.3472, 99.6229 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(244, 247, 245) }
```

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

```
.border{ border-color:rgb(244, 247, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 247, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 247, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 247, 245);  
box-shadow:4px 4px 4px 4px rgb(244, 247,  
245) }
```



# Background

The CSS property to change the background color of an element to XYZ 87.0504, 92.3472, 99.6229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 247, 245) }
```

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

```
.background{ background-color: rgb(244,  
247, 245) }
```

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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