

# Converting Colors

XYZ(87.1154, 92.5179, 93.3617)

Have a look what the booklet for  
XYZ(87.1154, 92.5179, 93.3617)  
contains.

<b>XYZ(87.2582, 92.5924, 93.3939)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(87.2582, 92.5924,  
93.3939)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8F7ED
RGB	248, 247, 237
RGB Percent	97%, 97%, 93%
CMY	0.0274, 0.0313, 0.0706
CMYK	0.00, 0.00, 0.04, 0.03
HSL	55°, 44%, 95%
HSV	55°, 4%, 97%
XYZ	87.2582, 92.5924, 93.3939
YIQ	246.1590, 3.8060, -2.8980

# Conversions

## Conversions Part 2

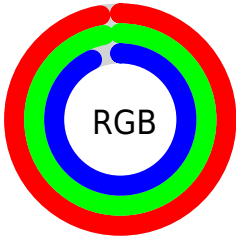
Format	Color
R <sub>Y</sub> B	238, 248, 237
Decimal	16316397
CIE Lab	97.06, -1.38, 4.91
CIE LCh	97, 5.099, 105.759
Yxy	92.5924, 0.3193, 0.3389
Android (android.graphics.Color)	4294506477 (0xFFFF8F7ED)
YUV	246.1590, -4.5154, 1.6146
Hunter-Lab	96.2249, -6.5272, 9.8118

# Details

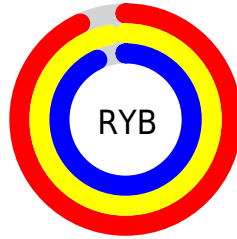
The XYZ color **87.2582, 92.5924, 93.3939** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **82.4428, 85.9296, 101.0489**, and the grayscale version is **87.7615, 92.3319, 100.5494**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.7095, 51.8043, 51.1480** is the 20% darker color. If you saturate the color by 10%, you get **83.2014, 89.8812, 75.3844**, and if you desaturate by 10%, it is **90.7149, 95.0828, 108.1794**.

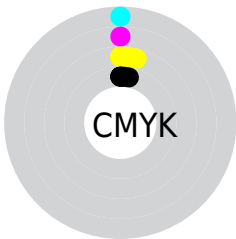
# Distribution



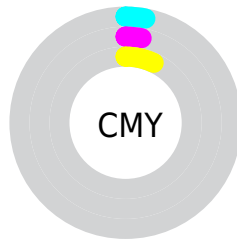
- Red (97%)
- Green (97%)
- Blue (93%)



- Red (93%)
- Yellow (97%)
- Blue (93%)



- Cyan (0%)
- Magenta (0%)
- Yellow (4%)
- Black (3%)



- Cyan (3%)
- Magenta (3%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.2582, 92.5924, 93.3939 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 87.2582, 92.5924, 93.3939 by changing the saturation by 10% instead.



87.2582, 92.5924,  
93.3939

87.2582, 92.5924,  
93.3939

507.4428,  
536.4282, 559.8628

66.0376, 70.1328,  
70.2095

142.4218,  
150.9342, 154.0203

48.5708, 51.6348,  
51.2195

177.0955,  
187.5851, 192.2993

34.4922, 36.7140,  
36.0053

216.9844,  
229.7353, 236.4469

23.4367, 24.9862,  
24.1486

262.4537,  
277.7691, 286.8816

15.0388, 16.0667,  
15.2307

313.8689,  
332.0708, 344.0220

8.9331, 9.5714,  
8.8330

371.5952,

4.7543, 5.1157,

393.0250, 408.2867

4.5371

435.9980,  
461.0160, 480.0941

■ 2.1371, 2.3153,  
1.9244

■ 0.7093, 0.7818,  
0.5082

■ 87.2582, 92.5924,  
93.3939

■ 87.2582, 92.5924,  
93.3939

■ 83.2014, 89.8812,  
75.3844

■ 90.7149, 95.0828,  
108.1794

■ 79.6310, 87.3747,  
59.9074

■ 91.4136, 96.4802,  
108.4123

■ 76.5278, 85.0682,  
46.8497

■ 92.1207, 97.8943,  
108.6480

■ 73.8681, 82.9522,  
36.0875

■ 92.5219, 98.6967,  
108.7817

■ 71.6263, 81.0164,  
27.4858

■ 69.7741, 79.2494,  
20.8954

■ 68.2795, 77.6385,  
16.1486

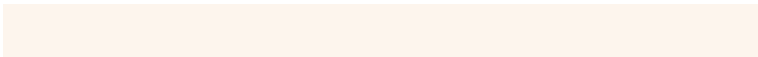
■ 67.1055, 76.1686,  
13.0501

■ 66.2067, 74.8217,  
11.3610

# Harmonies

## Analogous

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



88.6875, 92.5924, 93.3423



87.2582, 92.5924, 93.3939



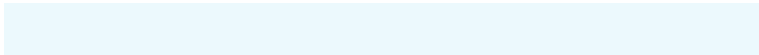
86.0422, 92.5924, 95.3983

# Triad

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



87.2582, 92.5924, 93.3939



86.0932, 92.5924, 106.5918



90.7109, 92.5924, 102.7760

# Complementary

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



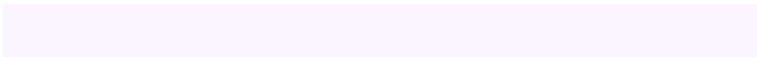
87.2582, 92.5924, 93.3939



82.4428, 85.9296, 101.0489

# Split Complementary

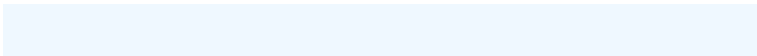
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.0001, 92.5924, 106.4379



87.2582, 92.5924, 93.3939



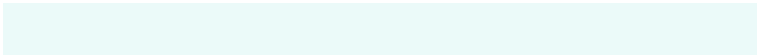
87.3286, 92.5924, 108.6812

# Square

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



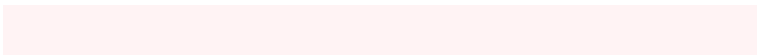
87.2582, 92.5924, 93.3939



85.3746, 92.5924, 102.9813



88.7587, 92.5924, 108.6242



90.6916, 92.5924, 98.6840

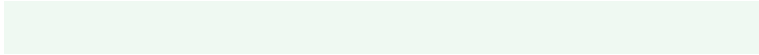


# Rectangle

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



87.2582, 92.5924, 93.3939



85.5115, 92.5924, 97.6042



88.7587, 92.5924, 108.6242



90.5491, 92.5924, 104.1003

# Sweetspot

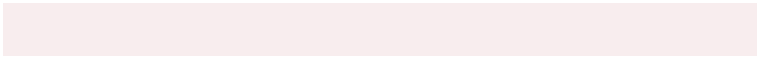
The Sweet Spot groups the original color and five complimentary colors.



87.2608, 92.5964, 93.3959



94.5685, 99.6897, 106.7275



84.4441, 86.7051, 93.2524



20.2466, 21.3410, 22.8670



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

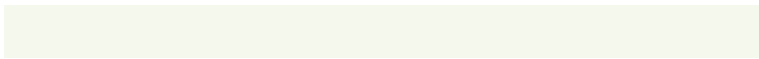
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.2608, 92.5964, 93.3959



92.6976, 98.4719, 98.3227



86.0242, 92.4120, 93.4255



18.9295, 20.1347, 19.8583



35.5932, 40.1430, 5.8724



3.3347, 3.7942, 0.5566



# Inverse Universe

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



82.4428, 85.9296, 101.0489



86.9254, 90.4846, 107.4916



83.6411, 86.1183, 101.0221



17.5895, 18.2806, 21.9867



9.3544, 4.0643, 48.2650

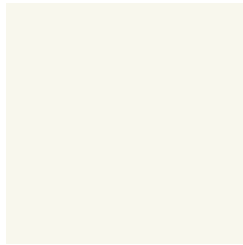


0.9078, 0.4593, 4.4840



# Previews

## White Background



This preview shows how the XYZ color 87.2582, 92.5924, 93.3939 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

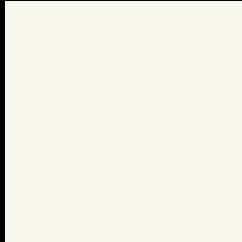
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 87.2582, 92.5924, 93.3939 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

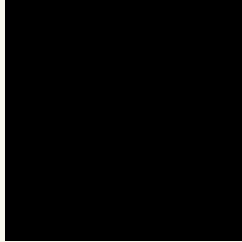
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 87.2582, 92.5924, 93.3939**

## **Background**



This preview shows how black text looks on a background with the XYZ color 87.2582, 92.5924, 93.3939.



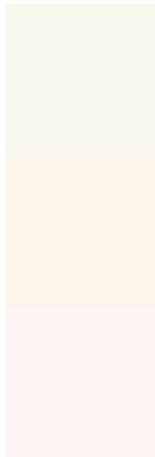
This preview shows how white text looks on a background with the XYZ color 87.2582, 92.5924,



# 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

87.2582, 92.5924, 93.3939

### Protanopia

88.3007, 92.2436, 92.5077

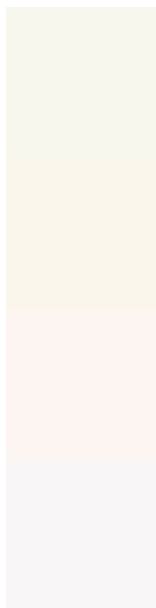
### Deuteranopia

89.9198, 92.4930, 98.7016

## **Tritanopia**

89.7693, 92.6646, 107.7624

# Trichromacy



## Original Color

87.2582, 92.5924, 93.3939

## Protanomaly

87.8798, 92.4769, 92.5749

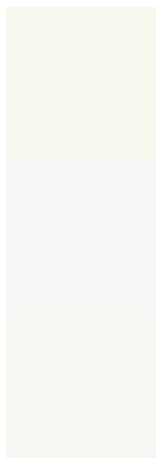
## Deuteranomaly

88.6745, 92.3511, 96.3710

## Tritanomaly

88.9660, 92.8286, 102.0356

# Monochromacy



## Original Color

87.2582, 92.5924, 93.3939

## Achromatopsia

87.5964, 92.1582, 100.3603

## Achromatomaly

87.4912, 92.1568, 97.9708

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.2582, 92.5924, 93.3939 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(248, 247, 237) looks like.

```
.text, #text, p{  
    color:rgb(248, 247, 237)  
}
```

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(248, 247, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 247, 237) }
```

## Border

The CSS property to change the border of an element to XYZ 87.2582, 92.5924, 93.3939 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(248, 247, 237) }
```



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

```
.border{ border-color:rgb(248, 247, 237) }
```

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

Here you see how a box with a 4 pixel rgb(248, 247, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 247, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 247, 237);  
box-shadow:4px 4px 4px 4px rgb(248, 247,  
237) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.2582, 92.5924, 93.3939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 247, 237) }
```

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

```
.background{ background-color: rgb(248,  
247, 237) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor