

# Converting Colors

XYZ(87.4997, 92.0692, 93.9527)

Have a look what the booklet for  
XYZ(87.4997, 92.0692, 93.9527)  
contains.

<b>XYZ(87.8127, 92.4086, 94.0973)</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(87.8127, 92.4086,  
94.0973)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAF6EE
RGB	250, 246, 238
RGB Percent	98%, 96%, 93%
CMY	0.0196, 0.0353, 0.0667
CMYK	0.00, 0.02, 0.05, 0.02
HSL	40°, 55%, 96%
HSV	40°, 5%, 98%
XYZ	87.8127, 92.4086, 94.0973
YIQ	246.2840, 4.9520, -1.6400

# Conversions

## Conversions Part 2

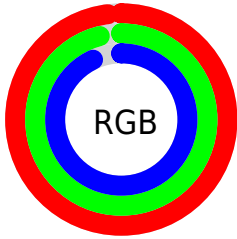
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	244, 250, 238
Decimal	16447214
CIE Lab	96.99, -0.03, 4.30
CIE LCh	97, 4.302, 90.465
Yxy	92.4086, 0.3201, 0.3369
Android (android.graphics.Color)	4294637294 (0xFFFAF6EE)
YUV	246.2840, -4.0840, 3.2589
Hunter-Lab	96.1294, -5.1695, 9.2539

# Details

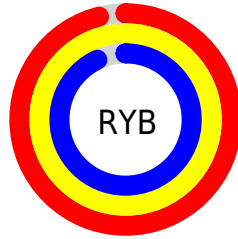
The XYZ color 87.8127, 92.4086, 94.0973 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 84.2672, 88.5820, 103.1002, and the grayscale version is 87.8587, 92.4342, 100.6608.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.1051, 51.6736, 51.6419 is the 20% darker color. If you saturate the color by 10%, you get 81.9174, 86.0927, 75.2519, and if you desaturate by 10%, it is 93.0213, 98.6373, 108.7439.

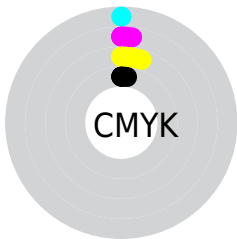
# Distribution



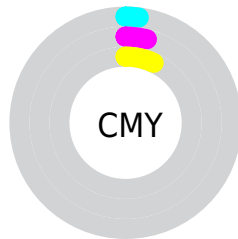
- Red (98%)
- Green (96%)
- Blue (93%)



- Red (96%)
- Yellow (98%)
- Blue (93%)



- Cyan (0%)
- Magenta (2%)
- Yellow (5%)
- Black (2%)



- Cyan (2%)
- Magenta (4%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.8127, 92.4086, 94.0973 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 87.8127, 92.4086, 94.0973 by changing the saturation by 10% instead.



87.8127, 92.4086,  
94.0973

87.8127, 92.4086,  
94.0973

509.2343,  
535.8352, 562.1814

66.4982, 69.9801,  
70.7912

143.1902,  
150.6796, 155.0017

48.9462, 51.5103,  
51.6910

177.9840,  
187.2908, 193.4371

34.7911, 36.6149,  
36.3783

218.0016,  
229.3984, 237.7526

23.6678, 24.9094,  
24.4345

263.6084,  
277.3867, 288.3668

15.2108, 16.0096,  
15.4411

315.1697,  
331.6401, 345.6983

9.0547, 9.5309,  
8.9795

373.0508,

4.8343, 5.0891,

392.5431, 410.1655

4.6312

437.6172,  
460.4800, 482.1870

■ 2.1841, 2.2996,  
1.9776

■ 0.7343, 0.7735,  
0.5415

■ 87.8127, 92.4086,  
94.0973

■ 87.8127, 92.4086,  
94.0973

■ 81.9174, 86.0927,  
75.2519

■ 93.0213, 98.6373,  
108.7439

■ 76.6208, 80.1925,  
59.0181

■ 93.2348, 99.0642,  
108.8150

■ 71.9015, 74.7001,  
45.2799

■ 67.7341, 69.6028,  
33.9099

■ 64.0907, 64.8869,  
24.7696

■ 60.9407, 60.5377,  
17.7058

■ 58.2499, 56.5389,  
12.5457

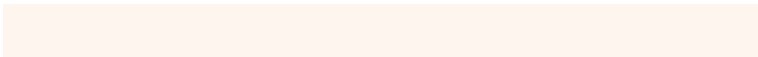
■ 55.9785, 52.8718,  
9.0887

■ 54.0780, 49.5144,  
7.0878

# Harmonies

## Analogous

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



88.9840, 92.4086, 94.9279



87.8127, 92.4086, 94.0973



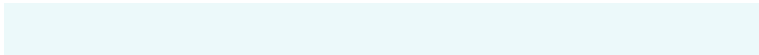
86.6567, 92.4086, 94.9800

# Triad

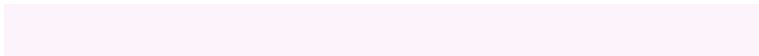
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.8127, 92.4086, 94.0973



85.8405, 92.4086, 104.0352



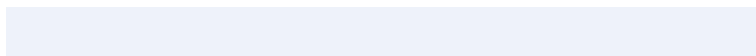
89.8724, 92.4086, 103.9393

# Complementary

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



87.8127, 92.4086, 94.0973



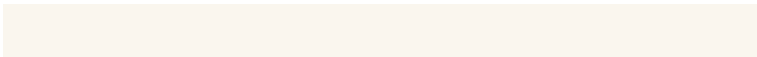
84.2672, 88.5820, 103.1002

# Split Complementary

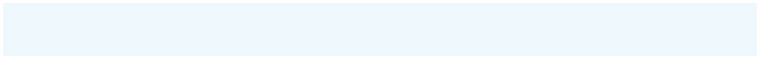
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.0171, 92.4086, 106.4733



87.8127, 92.4086, 94.0973



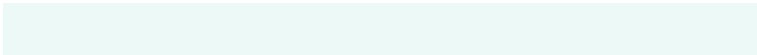
86.6892, 92.4086, 106.5295

# Square

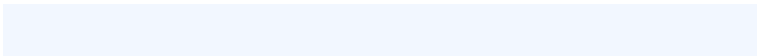
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.8127, 92.4086, 94.0973



85.5245, 92.4086, 100.6714



87.8505, 92.4086, 107.4316



90.1798, 92.4086, 100.5631



# Rectangle

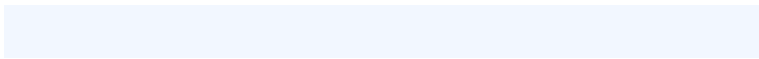
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.8127, 92.4086, 94.0973



86.0486, 92.4086, 96.4332



87.8505, 92.4086, 107.4316



89.6391, 92.4086, 104.9206

# Sweetspot

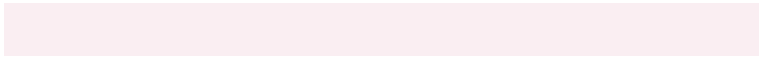
The Sweet Spot groups the original color and five complimentary colors.



87.8153, 92.4126, 94.0993



94.3719, 99.2963, 106.6620



86.0271, 87.8852, 96.4351



20.2066, 21.2609, 22.8536



0.0000, 0.0000, 0.0000

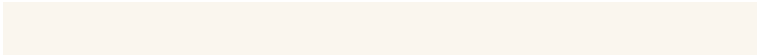


20.3446, 21.4041, 23.3091

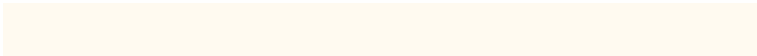


# Same Dimension

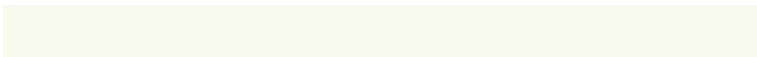
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.8153, 92.4126, 94.0993



91.0800, 95.8462, 95.9044



88.3307, 94.5018, 94.4754



18.5786, 19.5503, 19.3795



28.3566, 25.6699, 3.4602



2.7237, 2.5722, 0.3529



# Inverse Universe

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



84.2672, 88.5820, 103.1002



86.4735, 90.8731, 107.5904



83.7663, 86.5778, 102.7397



17.5386, 18.4275, 22.0178



10.9207, 7.1969, 48.7871

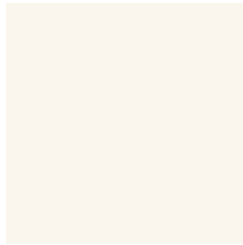


1.1045, 0.8528, 4.5496



# Previews

## White Background



This preview shows how the XYZ color 87.8127, 92.4086, 94.0973 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

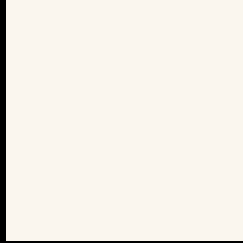
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 87.8127, 92.4086, 94.0973 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

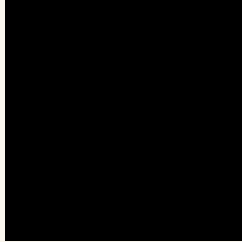
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

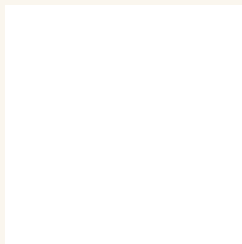
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 87.8127, 92.4086, 94.0973**

## **Background**



This preview shows how black text looks on a background with the XYZ color 87.8127, 92.4086, 94.0973.



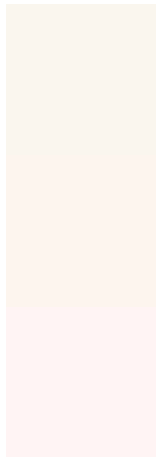
This preview shows how white text looks on a background with the XYZ color 87.8127, 92.4086,

94.073.

# 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

87.8127, 92.4086, 94.0973

### Protanopia

88.5930, 92.3605, 94.0469

### Deuteranopia

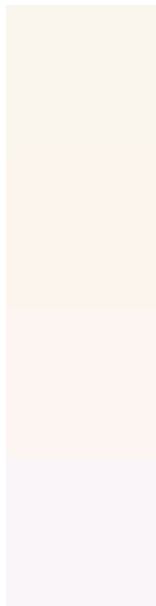
89.9198, 92.4930, 98.7016



## Tritanopia

89.8250, 92.2454, 107.6786

# Trichromacy



## Original Color

87.8127, 92.4086, 94.0973

## Protanomaly

88.2299, 92.1733, 94.0299

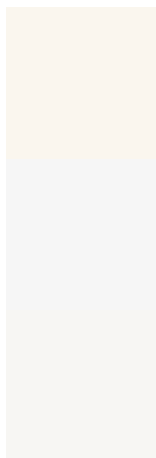
## Deuteranomaly

89.1874, 92.5983, 97.1770

## Tritanomaly

89.1756, 92.4684, 102.7707

# Monochromacy



## Original Color

87.8127, 92.4086, 94.0973

## 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 87.8127, 92.4086, 94.0973 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(250, 246, 238) looks like.

```
.text, #text, p{  
    color:rgb(250, 246, 238)  
}
```

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(250, 246, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 246, 238) }
```

## Border

The CSS property to change the border of an element to XYZ 87.8127, 92.4086, 94.0973 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(250, 246, 238) }
```



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

```
.border{ border-color:rgb(250, 246, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 246, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 246, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 246, 238);  
box-shadow:4px 4px 4px 4px rgb(250, 246,  
238) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.8127, 92.4086, 94.0973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 246, 238) }
```

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

```
.background{ background-color: rgb(250,  
246, 238) }
```

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