

# Converting Colors

XYZ(86.2597, 91.5009, 93.6978)

Have a look what the booklet for  
XYZ(86.2597, 91.5009, 93.6978)  
contains.

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# Color

**XYZ(86.3944, 91.6774,  
94.0310)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6F6EE
RGB	246, 246, 238
RGB Percent	96%, 96%, 93%
CMY	0.0353, 0.0353, 0.0667
CMYK	0.00, 0.00, 0.03, 0.04
HSL	60°, 31%, 95%
HSV	60°, 3%, 96%
XYZ	86.3944, 91.6774, 94.0310
YIQ	245.0880, 2.5680, -2.4880

# Conversions

## Conversions Part 2

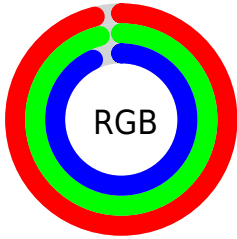
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	238, 246, 238
Decimal	16185070
CIE Lab	96.69, -1.38, 3.83
CIE LCh	97, 4.074, 109.847
Yxy	91.6774, 0.3175, 0.3369
Android (android.graphics.Color)	4294375150 (0xFFFF6F6EE)
YUV	245.0880, -3.4944, 0.7998
Hunter-Lab	95.7483, -6.4977, 8.7972

# Details

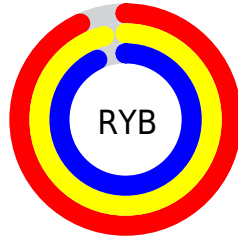
The XYZ color **86.3944, 91.6774, 94.0310** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **82.4726, 85.9826, 99.4431**, and the grayscale version is **86.8899, 91.4149, 99.5508**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.0922, 51.1515, 51.5945** is the 20% darker color. If you saturate the color by 10%, you get **83.0204, 90.3302, 76.2780**, and if you desaturate by 10%, it is **89.0190, 92.7307, 107.8148**.

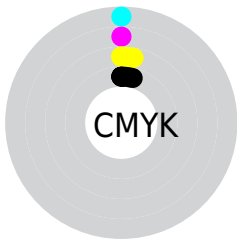
# Distribution



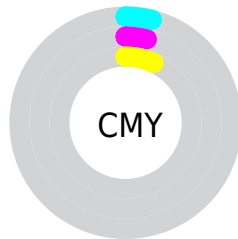
- Red (96%)
- Green (96%)
- Blue (93%)



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



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 86.3944, 91.6774, 94.0310 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 86.3944, 91.6774, 94.0310 by changing the saturation by 10% instead.



86.3944, 91.6774,  
94.0310

86.3944, 91.6774,  
94.0310

504.6452,  
533.4724, 561.9631

65.3205, 69.3727,  
70.7363

141.2237,  
149.6662, 154.9093

47.9867, 51.0153,  
51.6465

175.7099,  
186.1191, 193.3299

34.0276, 36.2208,  
36.3431

215.3975,  
228.0569, 237.6296

23.0778, 24.6048,  
24.4075

260.6520,  
275.8639, 288.2269

14.7719, 15.7828,  
15.4212

311.8386,  
329.9245, 345.5404

8.7448, 9.3706,  
8.9656

369.3228,

4.6308, 4.9837,

390.6233, 409.9885

4.6223

433.4699,  
458.3444, 481.9899

■ 2.0648, 2.2377,  
1.9726

■ 0.6700, 0.7404,  
0.5383

■ 86.3944, 91.6774,  
94.0310

■ 86.3944, 91.6774,  
94.0310

■ 83.0204, 90.3302,  
76.2780

■ 89.0190, 92.7307,  
107.8148

■ 80.1179, 89.1686,  
61.0193


■ 89.0239, 92.7333,  
107.8150


■ 77.6682, 88.1882,  
48.1452


■ 89.0288, 92.7358,  
107.8152


■ 75.6485, 87.3797,  
37.5352

■ 89.0338, 92.7384,  
107.8155


 74.0339, 86.7333,  
29.0585


 89.0387, 92.7409,  
107.8157


 72.7970, 86.2380,  
22.5708

 89.0436, 92.7434,  
107.8159


 71.9071, 85.8814,  
17.9099

 89.0485, 92.7460,  
107.8161

 71.3284, 85.6494,  
14.8885

 89.0535, 92.7485,  
107.8164

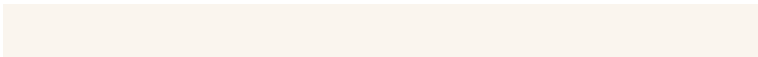
 71.0179, 85.5246,  
13.2788

 89.0584, 92.7510,  
107.8166

# Harmonies

## Analogous

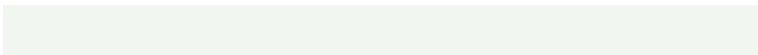
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.5236, 91.6774, 93.7673



86.3944, 91.6774, 94.0310



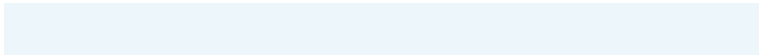
85.4717, 91.6774, 95.8269

# Triad

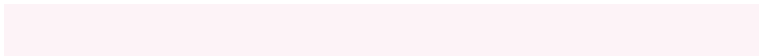
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.3944, 91.6774, 94.0310



85.7306, 91.6774, 104.6975



89.3125, 91.6774, 100.9320

# Complementary

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



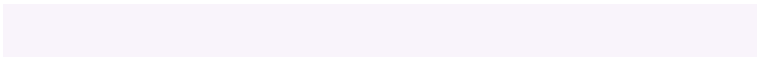
86.3944, 91.6774, 94.0310



82.4726, 85.9826, 99.4431

# Split Complementary

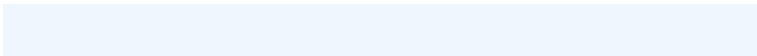
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.8231, 91.6774, 103.9248



86.3944, 91.6774, 94.0310



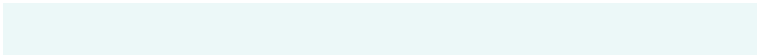
86.7507, 91.6774, 106.1300

# Square

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



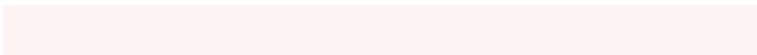
86.3944, 91.6774, 94.0310



85.0907, 91.6774, 101.9680



87.8831, 91.6774, 105.8441



89.2151, 91.6774, 97.7045



# Rectangle

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



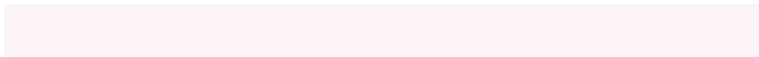
86.3944, 91.6774, 94.0310



85.0946, 91.6774, 97.6735



87.8831, 91.6774, 105.8441



89.2110, 91.6774, 102.0000

# Sweetspot

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



86.3970, 91.6814, 94.0330



94.6416, 99.8366, 106.7520



84.0161, 86.9172, 93.2389



20.2615, 21.3709, 22.8720



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.



86.3970, 91.6814, 94.0330



93.4488, 99.3593, 100.4792



85.0097, 90.9662, 93.9681



18.2598, 19.4516, 19.4007



37.8509, 45.6256, 6.8117



3.3270, 4.0102, 0.5987



# Inverse Universe

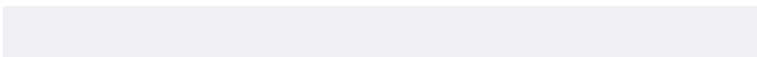
The Inverse Universe completely reimagines the original color for something new.



82.4726, 85.9826, 99.4431



88.2304, 91.7814, 107.6731



83.8298, 86.6822, 99.5066



17.0556, 17.7030, 21.0607



8.8802, 3.5522, 46.7556

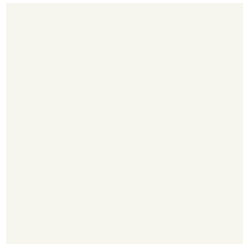


0.7808, 0.3124, 4.1094



# Previews

## White Background



This preview shows how the XYZ color 86.3944, 91.6774, 94.0310 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

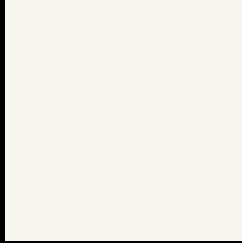
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 86.3944, 91.6774, 94.0310 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

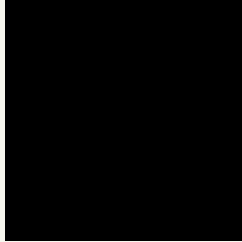
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

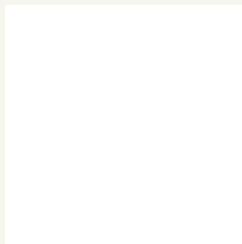
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 86.3944, 91.6774, 94.0310

## Background



This preview shows how black text looks on a background with the XYZ color 86.3944, 91.6774, 94.0310.



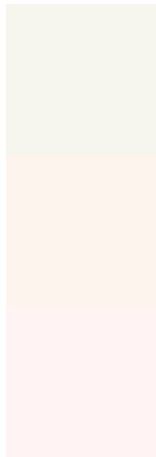
This preview shows how white text looks on a background with the XYZ color 86.3944, 91.6774,



# 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

86.3944, 91.6774, 94.0310

### Protanopia

87.7816, 91.5112, 93.1576

### Deuteranopia

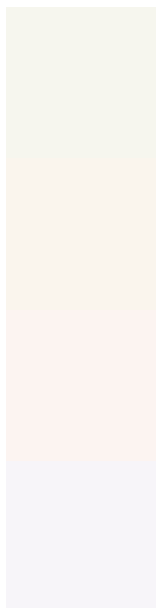
89.4683, 91.8322, 97.8039



## Tritanopia

89.1121, 91.8778, 107.6452

# Trichromacy



## Original Color

86.3944, 91.6774, 94.0310

## Protanomaly

87.3628, 91.7432, 93.2245

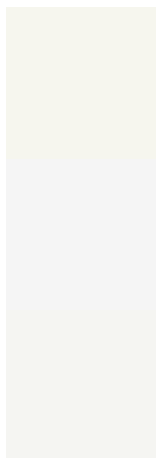
## Deuteranomaly

88.3728, 91.7477, 96.2704

## Tritanomaly

88.1091, 91.9185, 102.7207

# Monochromacy



## Original Color

86.3944, 91.6774, 94.0310

## Achromatopsia

86.7900, 91.3099, 99.4364

## Achromatomaly

86.3356, 91.1281, 97.0435

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 86.3944, 91.6774, 94.0310 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(246, 246, 238) looks like.

```
.text, #text, p{  
    color:rgb(246, 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(246, 246, 238) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to XYZ 86.3944, 91.6774, 94.0310 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(246, 246, 238) }
```



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

```
.border{ border-color:rgb(246, 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(246, 246, 238)` colored shadow looks like.

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

# Background

The CSS property to change the background color of an element to XYZ 86.3944, 91.6774, 94.0310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(246,  
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](#).

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