

# Converting Colors

XYZ(87.2889, 96.3070, 94.6218)

Have a look what the booklet for  
XYZ(87.2889, 96.3070, 94.6218)  
contains.

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# Color

**XYZ(87.4682, 96.3938,  
94.8847)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1FFEE
RGB	241, 255, 238
RGB Percent	95%, 100%, 93%
CMY	0.0549, 0.0000, 0.0667
CMYK	0.05, 0.00, 0.07, 0.00
HSL	109°, 100%, 97%
HSV	109°, 7%, 100%
XYZ	87.4682, 96.3938, 94.8847
YIQ	248.8760, -2.8870, -8.2550

# Conversions

## Conversions Part 2

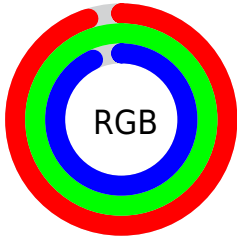
Format	Color
<b>R<sub>YB</sub></b>	238, 255, 252
Decimal	15859694
CIE <sub>Lab</sub>	98.59, -7.58, 6.53
CIE <sub>LCh</sub>	99, 10.003, 139.224
Yxy	96.3938, 0.3138, 0.3458
Android (android.graphics.Color)	4294049774 (0xFFFF1FEE)
YUV	248.8760, -5.3619, -6.9073
Hunter-Lab	98.1803, -12.7912, 11.4264

# Details

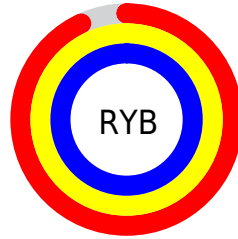
The XYZ color 87.4682, 96.3938, 94.8847 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 88.7701, 89.0657, 107.1204, and the grayscale version is 89.9845, 94.6707, 103.0964.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 48.6452, 54.0799, 52.1306 is the 20% darker color. If you saturate the color by 10%, you get 77.2226, 91.5147, 76.2138, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

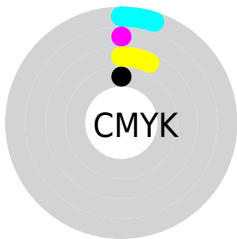
# Distribution



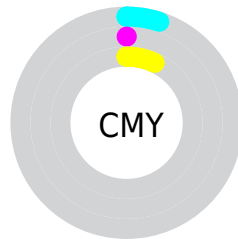
- Red (95%)
- Green (100%)
- Blue (93%)



- Red (93%)
- Yellow (100%)
- Blue (99%)



- Cyan (5%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (5%)
- Magenta (0%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.4682, 96.3938, 94.8847 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 87.4682, 96.3938, 94.8847 by changing the saturation by 10% instead.




 87.4682, 96.3938,  
94.8847

 87.4682, 96.3938,  
94.8847


508.1216,  
548.6175, 564.7707

 66.2121, 73.2956,  
71.4427

142.7129,  
156.1888, 156.0995

 48.7129, 54.2177,  
52.2195


177.4321,  
193.6544, 194.7094

 34.6054, 38.7757,  
36.7966


217.3698,  
236.6778, 239.2122

 23.5241, 26.5853,  
24.7555

262.8912,  
285.6436, 290.0266

 15.1038, 17.2620,  
15.6776

314.3617,  
340.9360, 347.5712

 8.9791, 10.4215,  
9.1444

372.1467,

 4.7845, 5.6793,

402.9396, 412.2643

4.7374

436.6116,  
472.0386, 484.5247

■ 2.1549, 2.6511,  
2.0380

■ 0.7188, 0.9524,  
0.5785

■ 87.4682, 96.3938,  
94.8847

■ 87.4682, 96.3938,  
94.8847

■ 77.2226, 91.5147,  
76.2138

95.0500, 100.0000,  
108.9000

■ 68.2833, 87.2502,  
60.2568

■ 60.5977, 83.5760,  
46.8887

■ 54.1088, 80.4658,  
35.9729

■ 48.7553, 77.8910,  
27.3603

■ 44.4700, 75.8208,  
20.8858

■ 41.1786, 74.2207,  
16.3619

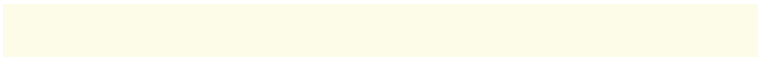
■ 38.7964, 73.0520,  
13.5692

■ 37.2227, 72.2687,  
12.2316

# Harmonies

## Analogous

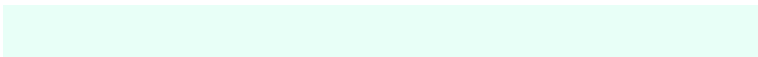
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.7987, 96.3938, 90.6109



87.4682, 96.3938, 94.8847



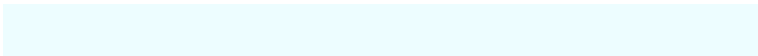
86.2589, 96.3938, 102.0038

# Triad

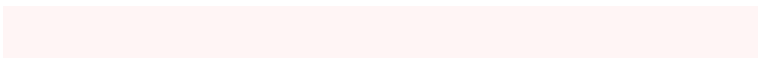
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.4682, 96.3938, 94.8847



90.5825, 96.3938, 121.4100



96.9769, 96.3938, 99.7941

# Complementary

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



87.4682, 96.3938, 94.8847



88.7701, 89.0657, 107.1204

# Split Complementary

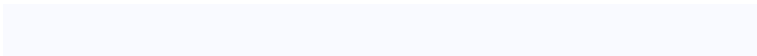
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.1975, 96.3938, 107.9656



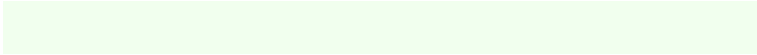
87.4682, 96.3938, 94.8847



93.4646, 96.3938, 120.7414

# Square

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



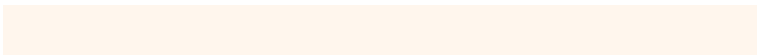
87.4682, 96.3938, 94.8847



88.0316, 96.3938, 117.4983



95.8999, 96.3938, 115.7169

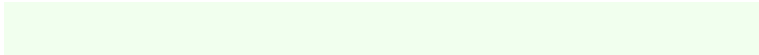


95.3034, 96.3938, 93.3405

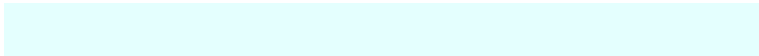


# Rectangle

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



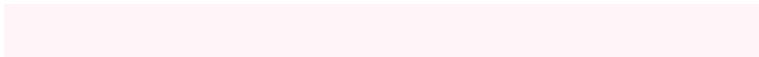
87.4682, 96.3938, 94.8847



86.2338, 96.3938, 107.5328



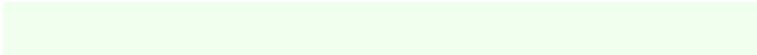
95.8999, 96.3938, 115.7169



97.2248, 96.3938, 102.4216

# Sweetspot

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



87.4690, 96.3942, 94.8862



92.7113, 98.8880, 104.5612



91.4468, 96.9809, 94.7898



19.8686, 21.1778, 22.4258



0.0000, 0.0000, 0.0000

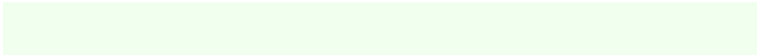


20.3446, 21.4041, 23.3091



# Same Dimension

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



87.4690, 96.3942, 94.8862



86.0247, 95.7068, 92.2339



87.2563, 96.1918, 99.0668



18.0704, 20.3222, 19.1145



19.3368, 37.7066, 6.2589



1.9607, 3.7115, 0.6131



# Inverse Universe

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



88.7701, 89.0657, 107.1204



87.5719, 86.9915, 106.7832



89.0104, 89.2883, 102.6711



18.4597, 18.1287, 22.7762



23.4342, 10.9913, 50.3210

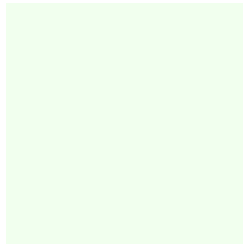


2.3604, 1.1107, 4.9033



# Previews

## White Background



This preview shows how the XYZ color 87.4682, 96.3938, 94.8847 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

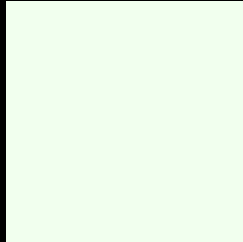
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 87.4682, 96.3938, 94.8847 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

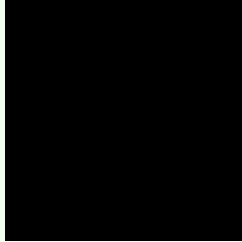
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

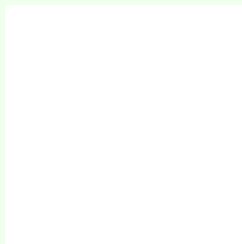
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 87.4682, 96.3938, 94.8847**

## **Background**



This preview shows how black text looks on a background with the XYZ color 87.4682, 96.3938, 94.8847.



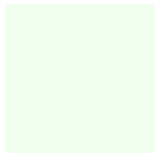
This preview shows how white text looks on a background with the XYZ color 87.4682, 96.3938,



# 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

87.4682, 96.3938, 94.8847



### Protanopia

91.6033, 96.1023, 98.5156

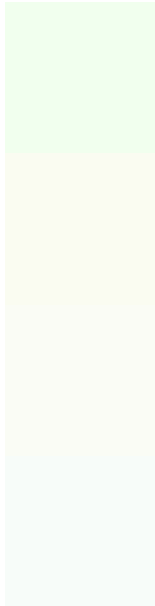
### Deuteranopia

92.5245, 96.4708, 103.3667

## **Tritanopia**

91.9715, 96.5384, 108.3941

# Trichromacy



## Original Color

87.4682, 96.3938, 94.8847

## Protanomaly

90.1119, 96.2957, 97.0566

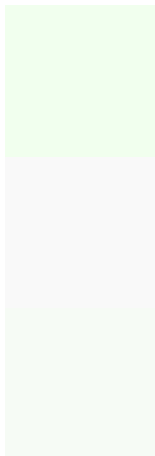
## Deuteranomaly

90.7162, 96.5374, 100.2385

## Tritanomaly

90.2671, 96.2345, 103.4401

# Monochromacy



## Original Color

87.4682, 96.3938, 94.8847

## Achromatopsia

90.0415, 94.7307, 103.1617

## Achromatomaly

88.9846, 95.1798, 100.0677

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.4682, 96.3938, 94.8847 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(241, 255, 238) looks like.

```
.text, #text, p{  
    color:rgb(241, 255, 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(241, 255, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 255, 238) }
```

## Border

The CSS property to change the border of an element to XYZ 87.4682, 96.3938, 94.8847 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(241, 255, 238) }
```



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

```
.border{ border-color:rgb(241, 255, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 255, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 255, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 255, 238);  
box-shadow:4px 4px 4px 4px rgb(241, 255,  
238) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.4682, 96.3938, 94.8847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 255, 238) }
```

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

```
.background{ background-color: rgb(241,  
255, 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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