

# Converting Colors

XYZ(87.5185, 94.1169,  
101.2542)

Have a look what the booklet for  
XYZ(87.5185, 94.1169, 101.2542)  
contains.

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# Color

**XYZ(87.5921, 93.9639,  
101.5159)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | F2FAF7                     |
| RGB         | 242, 250, 247              |
| RGB Percent | 95%, 98%, 97%              |
| CMY         | 0.0510, 0.0196, 0.0314     |
| CMYK        | 0.03, 0.00, 0.01, 0.02     |
| HSL         | 157°, 44%, 96%             |
| HSV         | 157°, 3%, 98%              |
| XYZ         | 87.5921, 93.9639, 101.5159 |
| YIQ         | 247.2660, -3.8050, -2.6290 |

# Conversions

## Conversions Part 2

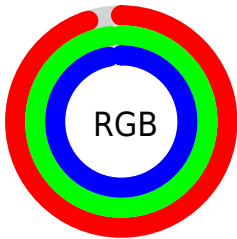
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| R <sub>YB</sub>                     | 242, 247, 250                 |
| Decimal                             | 15923959                      |
| CIE Lab                             | 97.62, -3.16, 0.51            |
| CIE LCh                             | 98, 3.201, 170.857            |
| Yxy                                 | 93.9639, 0.3094,<br>0.3319    |
| Android<br>(android.graphics.Color) | 4294114039<br>(0xFFFF2FAF7)   |
| YUV                                 | 247.2660, -0.1311,<br>-4.6183 |
| Hunter-Lab                          | 96.9350, -8.3406,<br>5.7626   |

# Details

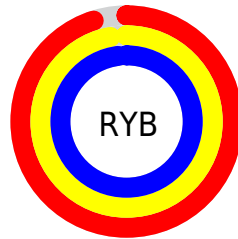
The XYZ color 87.5921, 93.9639, 101.5159 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 87.6614, 90.4234, 99.2242, and the grayscale version is 88.6301, 93.2457, 101.5446.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 48.9455, 52.7843, 56.8989 is the 20% darker color. If you saturate the color by 10%, you get 78.1796, 89.2774, 93.7070, and if you desaturate by 10%, it is 93.4774, 96.8548, 108.3758.

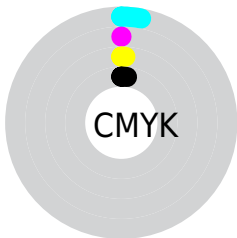
# Distribution



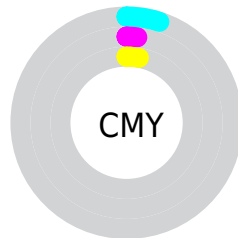
- Red (95%)
- Green (98%)
- Blue (97%)



- Red (95%)
- Yellow (97%)
- Blue (98%)



- Cyan (3%)
- Magenta (0%)
- Yellow (1%)
- Black (2%)



- Cyan (5%)
- Magenta (2%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.5921, 93.9639, 101.5159 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 87.5921, 93.9639, 101.5159 by changing the saturation by 10% instead.



87.5921, 93.9639,  
101.5159

87.5921, 93.9639,  
101.5159

508.5219,  
540.8427, 586.3301

66.3150, 71.2729,  
76.9432

142.8846,  
152.8324, 165.3088

48.7968, 52.5650,  
56.6950

177.6306,  
189.7787, 205.3661

34.6722, 37.4556,  
40.3527

217.5971,  
232.2457, 251.4221

23.5758, 25.5604,  
27.4977

263.1492,  
280.6175, 303.8952

15.1423, 16.4951,  
17.7117

314.6524,  
335.2788, 363.2040

9.0063, 9.8752,  
10.5759

372.4720,

4.8024, 5.3163,

396.6138, 429.7671

5.6719

436.9734,  
465.0070, 504.0029

■ 2.1654, 2.4340,  
2.5811

■ 0.7244, 0.8433,  
0.8827

■ 87.5921, 93.9639,  
101.5159

■ 87.5921, 93.9639,  
101.5159

■ 78.1796, 89.2774,  
93.7070

■ 93.4774, 96.8548,  
108.3758

■ 69.9620, 85.1959,  
86.3270

■ 62.8904, 81.6970,  
79.3698

■ 56.9093, 78.7523,  
72.8272

■ 51.9586, 76.3308,  
66.6903

■ 47.9720, 74.3985,  
60.9500

■ 44.8752, 72.9173,  
55.5966

■ 42.5823, 71.8431,  
50.6196

■ 40.9892, 71.1223,  
46.0075

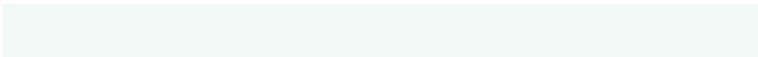
# Harmonies

## Analogous

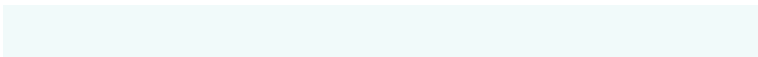
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.9586, 93.9639, 99.1774



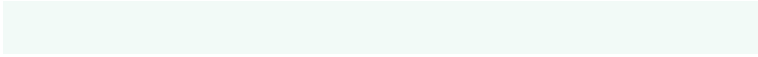
87.5921, 93.9639, 101.5159



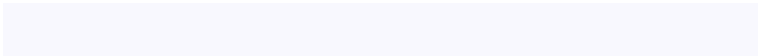
87.6834, 93.9639, 104.1067

# Triad

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



87.5921, 93.9639, 101.5159



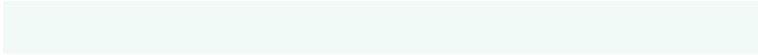
89.9348, 93.9639, 107.0691



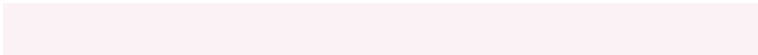
90.4199, 93.9639, 98.4702

# Complementary

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



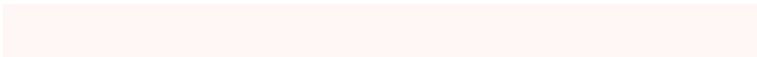
87.5921, 93.9639, 101.5159



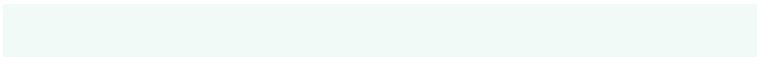
87.6614, 90.4234, 99.2242

# Split Complementary

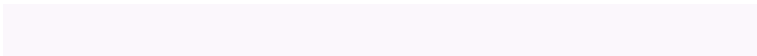
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.9563, 93.9639, 100.5355



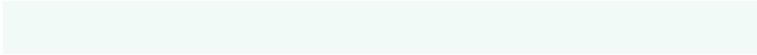
87.5921, 93.9639, 101.5159



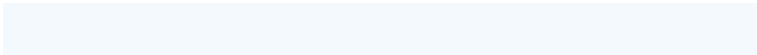
90.6749, 93.9639, 105.5093

# Square

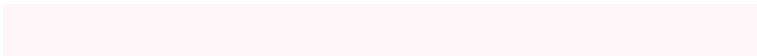
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



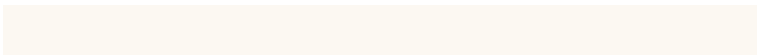
87.5921, 93.9639, 101.5159



89.0319, 93.9639, 107.3425



91.0499, 93.9639, 103.1097

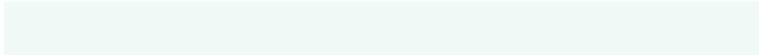


89.5884, 93.9639, 97.4387

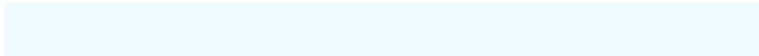


# Rectangle

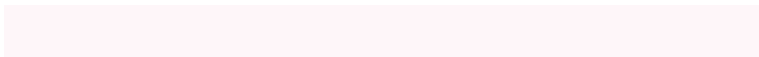
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



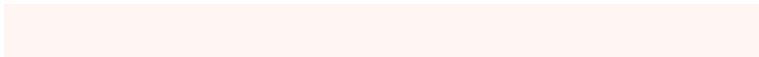
87.5921, 93.9639, 101.5159



87.9919, 93.9639, 105.6267



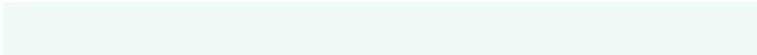
91.0499, 93.9639, 103.1097



90.6409, 93.9639, 99.0649

# Sweetspot

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



87.5948, 93.9679, 101.5180



93.9643, 99.4581, 108.0468



87.8953, 94.2108, 97.5578



20.1237, 21.2938, 23.1355



0.0000, 0.0000, 0.0000

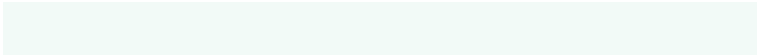


20.3446, 21.4041, 23.3091

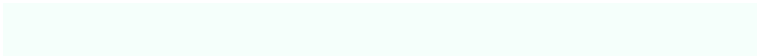


# Same Dimension

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



87.5948, 93.9679, 101.5180



90.7861, 97.8724, 105.5151



87.7728, 93.5760, 103.8831



18.4447, 19.9757, 21.4931



21.3958, 37.5713, 23.2252

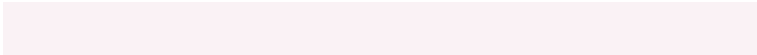


2.0330, 3.5003, 2.4217



# Inverse Universe

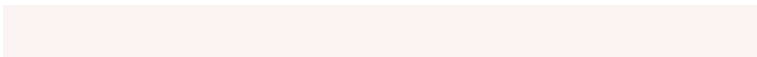
The Inverse Universe completely reimagines the original color for something new.



87.6614, 90.4234, 99.2242



90.8729, 93.2602, 102.5304



87.4850, 90.7986, 96.9208



18.4657, 18.8608, 20.7716



22.0436, 11.2332, 6.9381

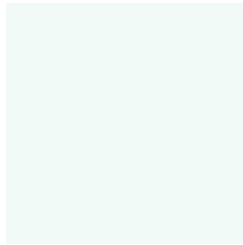


2.0912, 1.0602, 0.9035



# Previews

## White Background



This preview shows how the XYZ color 87.5921, 93.9639, 101.5159 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

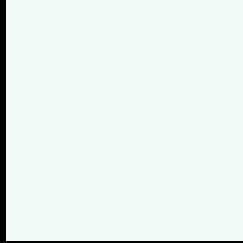
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 87.5921, 93.9639, 101.5159 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

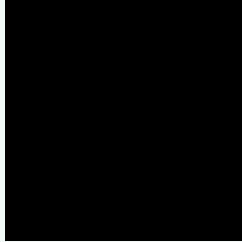
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

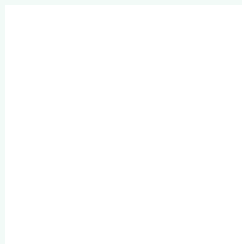
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 87.5921, 93.9639, 101.5159

## Background



This preview shows how black text looks on a background with the XYZ color 87.5921, 93.9639, 101.5159.



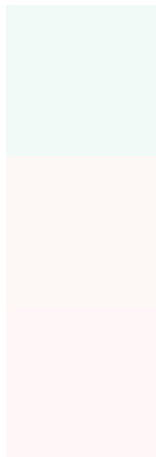
This preview shows how white text looks on a background with the XYZ color 87.5921, 93.9639,

101.5159.

# 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

87.5921, 93.9639, 101.5159

### Protanopia

90.2502, 93.9967, 99.7727

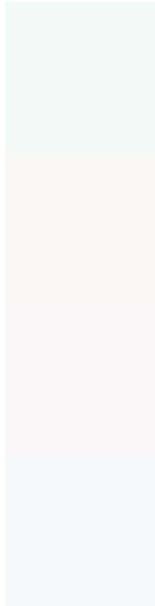
### Deuteranopia

91.1390, 93.9488, 102.1373

## **Tritanopia**

89.9752, 94.1290, 108.0342

# Trichromacy



## Original Color

87.5921, 93.9639, 101.5159

## Protanomaly

89.2689, 93.9284, 100.6138

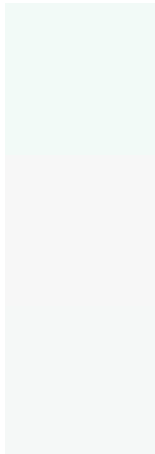
## Deuteranomaly

89.6284, 93.6228, 102.1540

## Tritanomaly

89.1026, 94.1921, 105.5801

# Monochromacy



## Original Color

87.5921, 93.9639, 101.5159

## Achromatopsia

88.4070, 93.0111, 101.2891

## Achromatomaly

88.0121, 93.2627, 101.3585

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.5921, 93.9639, 101.5159 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(242, 250, 247) looks like.

```
.text, #text, p{  
    color:rgb(242, 250, 247)  
}
```

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(242, 250, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 250, 247) }
```

## Border

The CSS property to change the border of an element to XYZ 87.5921, 93.9639, 101.5159 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(242, 250, 247) }
```



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

```
.border{ border-color:rgb(242, 250, 247) }
```

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

Here you see how a box with a 4 pixel rgb(242, 250, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 250, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 250, 247);  
box-shadow:4px 4px 4px 4px rgb(242, 250,  
247) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.5921, 93.9639, 101.5159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 250, 247) }
```

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

```
.background{ background-color: rgb(242,  
250, 247) }
```

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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