

# Converting Colors

XYZ(87.6931, 94.6847,  
101.2799)

Have a look what the booklet for  
XYZ(87.6931, 94.6847, 101.2799)  
contains.

<b>XYZ(87.5613, 94.4105, 101.6038)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# **Color**

**XYZ(87.5613, 94.4105,  
101.6038)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1FBF7
RGB	241, 251, 247
RGB Percent	95%, 98%, 97%
CMY	0.0549, 0.0157, 0.0314
CMYK	0.04, 0.00, 0.02, 0.02
HSL	156°, 56%, 96%
HSV	156°, 4%, 98%
XYZ	87.5613, 94.4105, 101.6038
YIQ	247.5540, -4.6760, -3.3640

# Conversions

## Conversions Part 2

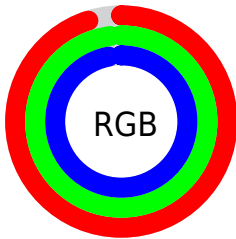
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	241, 247, 251
Decimal	15858679
CIE <sub>Lab</sub>	97.80, -3.99, 0.76
CIE <sub>LCh</sub>	98, 4.064, 169.192
Yxy	94.4105, 0.3088, 0.3329
Android (android.graphics.Color)	4294048759 (0xFFFF1FBF7)
YUV	247.5540, -0.2731, -5.7479
Hunter-Lab	97.1651, -9.1818, 6.0170

# Details

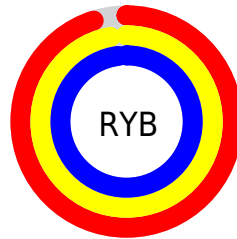
The XYZ color 87.5613, 94.4105, 101.6038 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 87.7238, 90.0148, 99.1418, and the grayscale version is 88.8663, 93.4942, 101.8152.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 48.9267, 53.1061, 56.9620 is the 20% darker color. If you saturate the color by 10%, you get 78.0683, 89.6937, 93.2849, and if you desaturate by 10%, it is 93.7890, 97.4779, 108.4797.

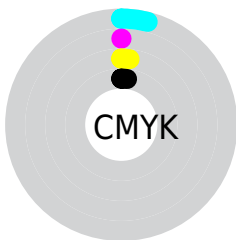
# Distribution



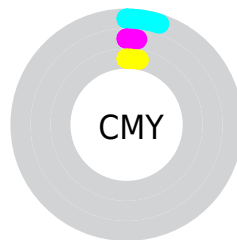
- Red (95%)
- Green (98%)
- Blue (97%)



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



- Cyan (4%)
- Magenta (0%)
- Yellow (2%)
- Black (2%)



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.5613, 94.4105, 101.6038 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 87.5613, 94.4105, 101.6038 by changing the saturation by 10% instead.



87.5613, 94.4105,  
101.6038

87.5613, 94.4105,  
101.6038

508.4224,  
542.2760, 586.6130

66.2894, 71.6444,  
77.0163

142.8419,  
153.4499, 165.4305

48.7759, 52.8683,  
56.7546

177.5813,  
190.4921, 205.5067

34.6556, 37.6976,  
40.4002

217.5406,  
233.0617, 251.5830

23.5629, 25.7481,  
27.5346

263.0851,  
281.5433, 304.0778

15.1327, 16.6353,  
17.7391

314.5801,  
336.3211, 363.4096

8.9995, 9.9748,  
10.5953

372.3912,

4.7980, 5.3823,

397.7795, 429.9971

5.6847

436.8835,  
466.3030, 504.2587

■ 2.1627, 2.4732,  
2.5887

■ 0.7230, 0.8632,  
0.8866

■ 87.5613, 94.4105,  
101.6038

■ 87.5613, 94.4105,  
101.6038

■ 78.0683, 89.6937,  
93.2849

■ 93.7890, 97.4779,  
108.4797

■ 69.7874, 85.5895,  
85.4500

■ 62.6687, 82.0752,  
78.0918

■ 56.6557, 79.1217,  
71.2006

■ 51.6869, 76.6974,  
64.7661

■ 47.6946, 74.7677,  
58.7777

■ 44.6026, 73.2935,  
53.2240

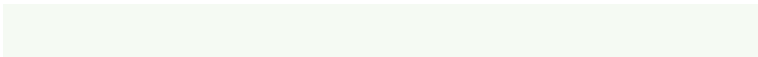
■ 42.3229, 72.2295,  
48.0929

■ 40.7482, 71.5206,  
43.3712

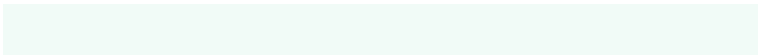
# Harmonies

## Analogous

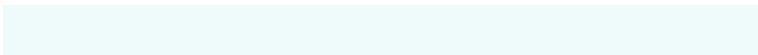
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.0567, 94.4105, 98.6787



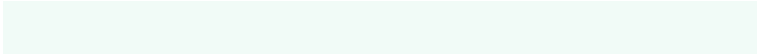
87.5613, 94.4105, 101.6038



87.6443, 94.4105, 104.9111

# Triad

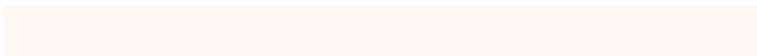
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.5613, 94.4105, 101.6038



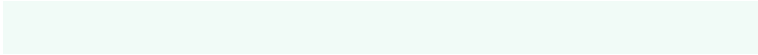
90.4695, 94.4105, 108.9484



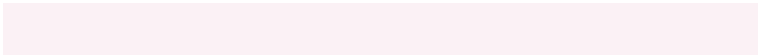
91.1999, 94.4105, 98.0375

# Complementary

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



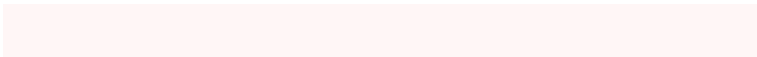
87.5613, 94.4105, 101.6038



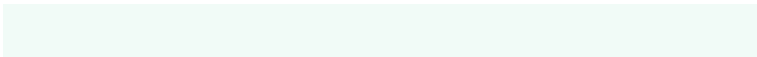
87.7238, 90.0148, 99.1418

# 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.



91.8573, 94.4105, 100.7114



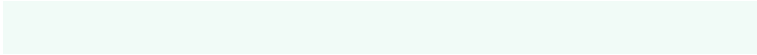
87.5613, 94.4105, 101.6038



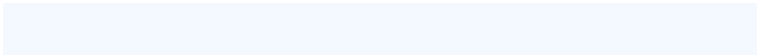
91.4331, 94.4105, 107.0283

# Square

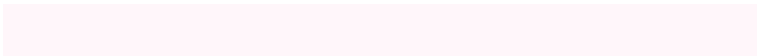
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



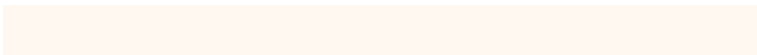
87.5613, 94.4105, 101.6038



89.3167, 94.4105, 109.1999



91.9431, 94.4105, 103.9995

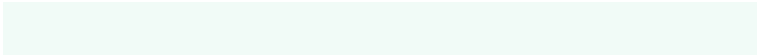


90.1532, 94.4105, 96.6494

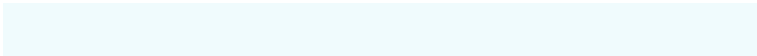


# Rectangle

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



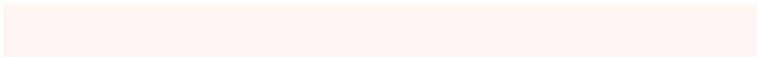
87.5613, 94.4105, 101.6038



88.0168, 94.4105, 106.8865



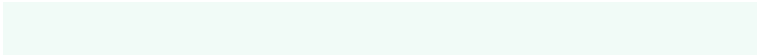
91.9431, 94.4105, 103.9995



91.4741, 94.4105, 98.8131

# Sweetspot

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



87.5640, 94.4145, 101.6059



93.9542, 99.4540, 107.9933



88.0920, 94.7920, 96.8742



20.1216, 21.2930, 23.1246



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

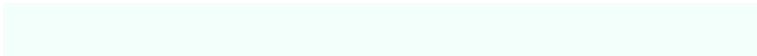


# Same Dimension

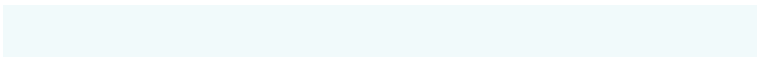
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.5640, 94.4145, 101.6059



89.7030, 97.3372, 104.4180



87.9288, 94.1447, 104.8089



18.2341, 19.8718, 21.2705



21.1237, 37.4625, 21.7925



2.0088, 3.4906, 2.2940



# Inverse Universe

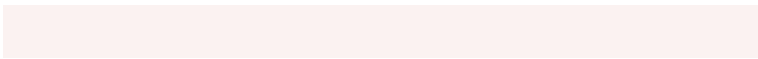
The Inverse Universe completely reimagines the original color for something new.



87.7238, 90.0148, 99.1418



89.9096, 91.6504, 101.2331



87.3663, 90.2676, 96.0391



18.2821, 18.5517, 20.5312



22.1999, 11.2957, 7.7612

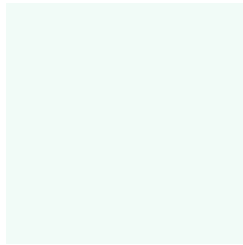


2.1069, 1.0665, 0.9862



# Previews

## White Background



This preview shows how the XYZ color 87.5613, 94.4105, 101.6038 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

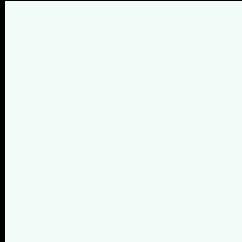
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 87.5613, 94.4105, 101.6038 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

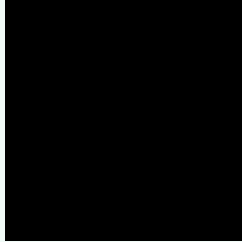
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

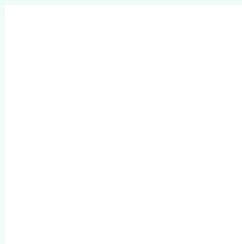
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 87.5613, 94.4105, 101.6038

## Background



This preview shows how black text looks on a background with the XYZ color 87.5613, 94.4105, 101.6038.



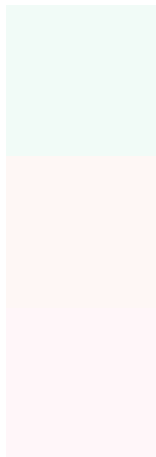
This preview shows how white text looks on a background with the XYZ color 87.5613, 94.4105,

101.038.

# 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

87.5613, 94.4105, 101.6038

### Protanopia

90.6152, 94.1849, 99.7898

### Deuteranopia

91.2947, 94.0111, 102.9567

## **Tritanopia**

89.9752, 94.1290, 108.0342

# Trichromacy



**Original Color**

87.5613, 94.4105, 101.6038

**Protanomaly**

89.2689, 93.9284, 100.6138

**Deuteranomaly**

89.9350, 94.2361, 102.2562

**Tritanomaly**

89.1026, 94.1921, 105.5801

# Monochromacy



**Original Color**

87.5613, 94.4105, 101.6038

**Achromatopsia**

89.2221, 93.8686, 102.2229

**Achromatomaly**

88.4751, 93.9412, 102.2763

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.5613, 94.4105, 101.6038 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, 251, 247) looks like.

```
.text, #text, p{  
    color:rgb(241, 251, 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(241, 251, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 251, 247) }
```

## Border

The CSS property to change the border of an element to XYZ 87.5613, 94.4105, 101.6038 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, 251, 247) }
```



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

```
.border{ border-color:rgb(241, 251, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 251, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 251, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 251, 247);  
box-shadow:4px 4px 4px 4px rgb(241, 251,  
247) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.5613, 94.4105, 101.6038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 251, 247) }
```

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

```
.background{ background-color: rgb(241,  
251, 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](#).

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