

# Converting Colors

XYZ(90.6238, 94.9152,  
106.4758)

Have a look what the booklet for  
XYZ(90.6238, 94.9152, 106.4758)  
contains.

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# Color

**XYZ(90.6722, 94.9829,  
106.4831)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9F9FD
RGB	249, 249, 253
RGB Percent	98%, 98%, 99%
CMY	0.0235, 0.0235, 0.0078
CMYK	0.02, 0.02, 0.00, 0.01
HSL	240°, 50%, 98%
HSV	240°, 2%, 99%
XYZ	90.6722, 94.9829, 106.4831
YIQ	249.4560, -1.2840, 1.2440

# Conversions

## Conversions Part 2

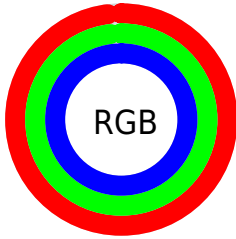
Format	Color
R <sub>Y</sub> B	249, 249, 253
Decimal	16382461
CIE Lab	98.03, 0.71, -1.92
CIE LCh	98, 2.050, 290.370
Yxy	94.9829, 0.3104, 0.3251
Android (android.graphics.Color)	4294572541 (0xFF9F9FD)
YUV	249.4560, 1.7472, -0.3999
Hunter-Lab	97.4592, -4.4841, 3.4416

# Details

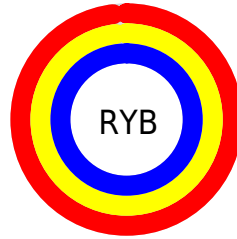
The XYZ color 90.6722, 94.9829, 106.4831 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 92.7323, 97.9717, 103.6469, and the grayscale version is 90.4068, 95.1150, 103.5802.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 51.0261, 53.4629, 59.8546 is the 20% darker color. If you saturate the color by 10%, you get 74.9615, 76.0587, 103.6598, and if you desaturate by 10%, it is 94.7299, 99.8720, 107.2144.

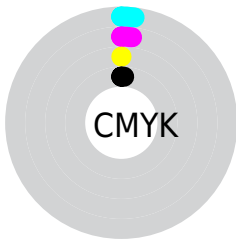
# Distribution



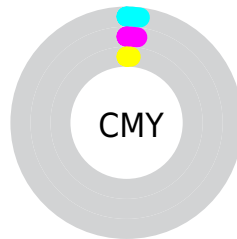
- Red (98%)
- Green (98%)
- Blue (99%)



- Red (98%)
- Yellow (98%)
- Blue (99%)



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



- Cyan (2%)
- Magenta (2%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 90.6722, 94.9829, 106.4831 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 90.6722, 94.9829, 106.4831 by changing the saturation by 10% instead.



90.6722, 94.9829,  
106.4831

90.6722, 94.9829,  
106.4831

518.4204,  
544.1102, 602.2074

68.8764, 72.1207,  
81.0788

147.1454,  
154.2410, 172.1676

50.8873, 53.2573,  
60.0751

182.5535,  
191.4057, 213.2849

36.3396, 38.0082,  
43.0535

223.2297,  
234.1067, 260.4769

24.8679, 25.9891,  
29.5954

269.5394,  
282.7284, 314.1623

16.1069, 16.8155,  
19.2822

321.8480,  
337.6553, 374.7595

9.6912, 10.1030,  
11.6955

380.5208,

5.2554, 5.4673,

399.2716, 442.6870

6.4167

445.9232,  
467.9618, 518.3635

■ 2.4341, 2.5240,  
3.0272

■ 0.8622, 0.8886,  
1.1085

■ 90.6722, 94.9829,  
106.4831

■ 90.6722, 94.9829,  
106.4831

■ 74.9615, 76.0587,  
103.6598

94.7299, 99.8720,  
107.2144

■ 61.4233, 59.7498,  
101.2255

■ 49.9645, 45.9451,  
99.1648

■ 40.4822, 34.5205,  
97.4594

■ 32.8647, 25.3415,  
96.0892

■ 26.9891, 18.2604,  
95.0321

■ 22.7179, 13.1117,  
94.2634

■ 19.8928, 9.7048,  
93.7547

■ 18.3237, 7.8110,  
93.4718

# Harmonies

## Analogous

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



90.0895, 94.9829, 106.6430



90.6722, 94.9829, 106.4831



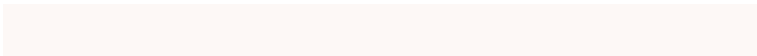
91.1513, 94.9829, 105.4977

# Triad

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



90.6722, 94.9829, 106.4831



91.0009, 94.9829, 100.9483



89.1692, 94.9829, 102.8799

# Complementary

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



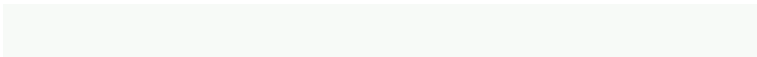
90.6722, 94.9829, 106.4831



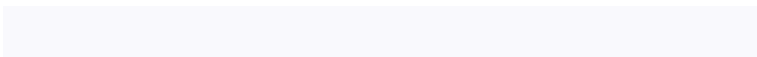
92.7323, 97.9717, 103.6469

# 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.



89.4111, 94.9829, 101.3703



90.6722, 94.9829, 106.4831



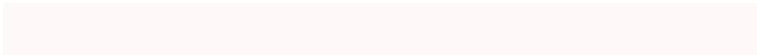
90.4675, 94.9829, 100.2631

# Square

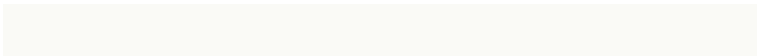
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.6722, 94.9829, 106.4831



91.3416, 94.9829, 102.2981



89.8857, 94.9829, 100.4167

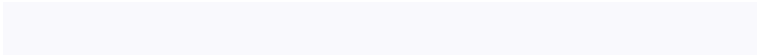


89.2235, 94.9829, 104.5505

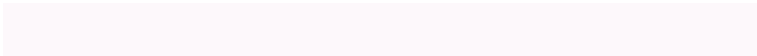


# Rectangle

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



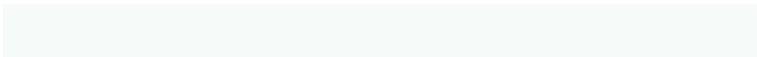
90.6722, 94.9829, 106.4831



91.3466, 94.9829, 104.5110



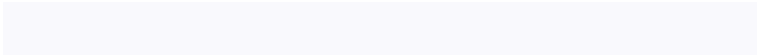
89.8857, 94.9829, 100.4167



89.2185, 94.9829, 102.3371

# Sweetspot

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



90.6749, 94.9870, 106.4852

95.0500, 100.0000, 108.9000



91.9126, 97.4794, 106.8454



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

# Same Dimension

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



90.6749, 94.9870, 106.4852



91.5947, 95.8378, 108.2787



91.3664, 95.3416, 106.5172



19.6412, 20.5568, 23.1826



9.4336, 3.7768, 49.6664

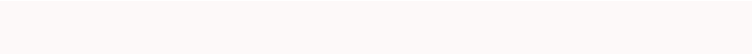


0.9190, 0.3687, 4.8360

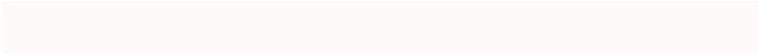


# Inverse Universe

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



91.4846, 95.4753, 103.2341



92.6350, 96.4653, 104.1018



92.0333, 97.6132, 103.6145



19.8530, 20.6845, 22.3323



21.5499, 11.1092, 1.0141

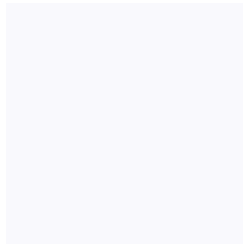


2.0985, 1.0818, 0.1001



# Previews

## White Background



This preview shows how the XYZ color 90.6722, 94.9829, 106.4831 looks on a white background.

## Color Contrast Check

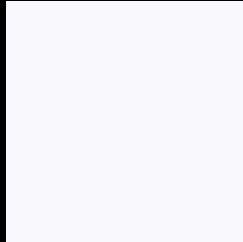
Large Text (above 18pt) WCAG AA × Fail

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 90.6722, 94.9829, 106.4831 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

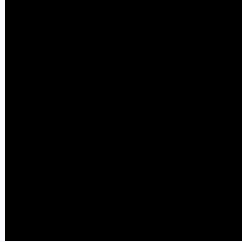
Any Text WCAG AAA ✓ Pass

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

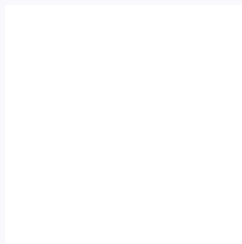


# XYZ 90.6722, 94.9829, 106.4831

## Background



This preview shows how black text looks on a background with the XYZ color 90.6722, 94.9829, 106.4831.



This preview shows how white text looks on a background with the XYZ color 90.6722, 94.9829,

106.4331.

# 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**

90.6722, 94.9829, 106.4831

**Protanopia**

91.6461, 95.0457, 105.6109

**Deuteranopia**

91.9134, 94.7466, 104.7103

## **Tritanopia**

91.3500, 95.2954, 108.1869

# Trichromacy

## Original Color

90.6722, 94.9829, 106.4831

## Protanomaly

91.2830, 94.8585, 105.5939

## Deuteranomaly

91.6461, 95.0457, 105.6109

## Tritanomaly

91.1894, 95.2311, 107.3412

# Monochromacy

## Original Color

90.6722, 94.9829, 106.4831

## Achromatopsia

90.0415, 94.7307, 103.1617

## Achromatomaly

90.1979, 94.7932, 103.9855

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 90.6722, 94.9829, 106.4831 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(249, 249, 253)` looks like.

```
.text, #text, p{  
    color:rgb(249, 249, 253)  
}
```

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(249, 249, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 249, 253) }
```

## Border

The CSS property to change the border of an element to XYZ 90.6722, 94.9829, 106.4831 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(249, 249, 253) }
```

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

```
.border{ border-color:rgb(249, 249, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 249, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 249, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 249, 253);  
box-shadow:4px 4px 4px 4px rgb(249, 249,  
253) }
```



# Background

The CSS property to change the background color of an element to XYZ 90.6722, 94.9829, 106.4831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 249, 253) }
```

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

```
.background{ background-color: rgb(249,  
249, 253) }
```

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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