

# Converting Colors

XYZ(90.0854, 94.3168,  
106.0032)

Have a look what the booklet for  
XYZ(90.0854, 94.3168, 106.0032)  
contains.

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# **Color**

**XYZ(90.0084, 94.1831,  
106.3637)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8F8FD
RGB	248, 248, 253
RGB Percent	97%, 97%, 99%
CMY	0.0274, 0.0274, 0.0078
CMYK	0.02, 0.02, 0.00, 0.01
HSL	240°, 56%, 98%
HSV	240°, 2%, 99%
XYZ	90.0084, 94.1831, 106.3637
YIQ	248.5700, -1.6050, 1.5550

# Conversions

## Conversions Part 2

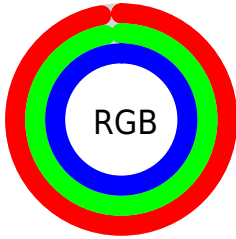
Format	Color
R <sub>Y</sub> B	248, 248, 253
Decimal	16316669
CIE Lab	97.71, 0.89, -2.40
CIE LCh	98, 2.562, 290.400
Yxy	94.1831, 0.3098, 0.3241
Android (android.graphics.Color)	4294506749 (0xFFFF8F8FD)
YUV	248.5700, 2.1840, -0.4999
Hunter-Lab	97.0480, -4.2818, 2.9523

# Details

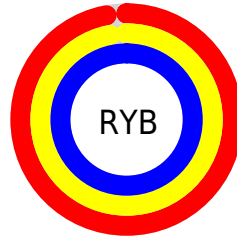
The XYZ color 90.0084, 94.1831, 106.3637 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 92.5767, 97.9094, 102.8274, and the grayscale version is 89.6756, 94.3457, 102.7425.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.5517, 52.8913, 59.7692 is the 20% darker color. If you saturate the color by 10%, you get 74.3842, 75.3621, 103.5558, and if you desaturate by 10%, it is 94.7299, 99.8720, 107.2143.

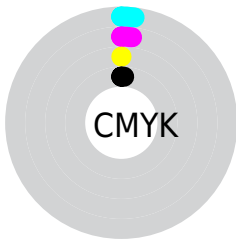
# Distribution



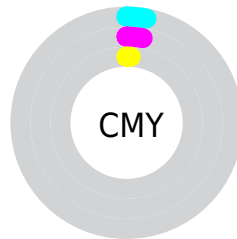
- Red (97%)
- Green (97%)
- Blue (99%)



- Red (97%)
- Yellow (97%)
- Blue (99%)



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



- Cyan (3%)
- Magenta (3%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 90.0084, 94.1831, 106.3637 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 90.0084, 94.1831, 106.3637 by changing the saturation by 10% instead.



90.0084, 94.1831,  
106.3637

90.0084, 94.1831,  
106.3637

516.2957,  
541.5464, 601.8283

68.3239, 71.4553,  
80.9793

146.2284,  
153.1355, 172.0031

50.4359, 52.7138,  
59.9936

181.4945,  
190.1289, 213.0951

35.9791, 37.5743,  
42.9882

222.0186,  
232.6463, 260.2601

24.5881, 25.6525,  
29.5445

268.1660,  
281.0720, 313.9166

15.8975, 16.5639,  
19.2440

320.3021,  
335.7905, 374.4832

9.5421, 9.9240,  
11.6681

378.7921,

5.1563, 5.3486,

397.1861, 442.3783

6.3984

444.0015,  
465.6433, 518.0205

■ 2.3750, 2.4532,  
3.0161

■ 0.8326, 0.8531,  
1.1029

■ 90.0084, 94.1831,  
106.3637

■ 90.0084, 94.1831,  
106.3637

■ 74.3842, 75.3621,  
103.5558

94.7299, 99.8720,  
107.2143

■ 60.9292, 59.1527,  
101.1362

■ 49.5500, 45.4434,  
99.0898

■ 40.1434, 34.1098,  
97.3980

■ 32.5973, 25.0169,  
96.0406

■ 26.7881, 18.0161,  
94.9955

■ 22.5777, 12.9410,  
94.2378

■ 19.8069, 9.5999,  
93.7389

■ 18.2835, 7.7618,  
93.4644

# Harmonies

## Analogous

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



89.2843, 94.1831, 106.5645



90.0084, 94.1831, 106.3637



90.6042, 94.1831, 105.1333

# Triad

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



90.0084, 94.1831, 106.3637



90.4159, 94.1831, 99.4829



88.1413, 94.1831, 101.8804

# Complementary

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



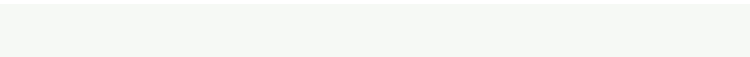
90.0084, 94.1831, 106.3637



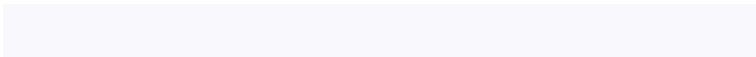
92.5767, 97.9094, 102.8274

# 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.



88.4410, 94.1831, 100.0082



90.0084, 94.1831, 106.3637



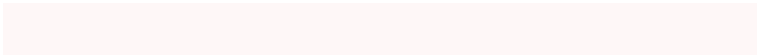
89.7525, 94.1831, 98.6364

# Square

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



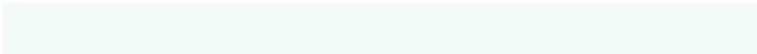
90.0084, 94.1831, 106.3637



90.8403, 94.1831, 101.1544



89.0298, 94.1831, 98.8274

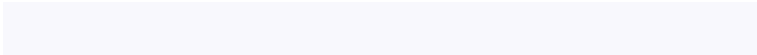


88.2090, 94.1831, 103.9571

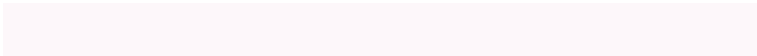


# Rectangle

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



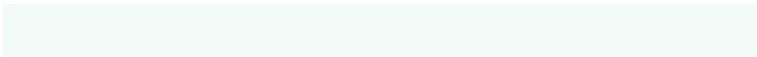
90.0084, 94.1831, 106.3637



90.8471, 94.1831, 103.9038



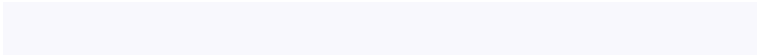
89.0298, 94.1831, 98.8274



88.2023, 94.1831, 101.2067

# Sweetspot

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



90.0111, 94.1871, 106.3658



93.3106, 97.9047, 108.5872



91.5544, 97.2950, 106.8147



19.9906, 20.9777, 23.2454



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.



90.0111, 94.1871, 106.3658



91.5944, 95.8373, 108.2786



90.8722, 94.6292, 106.4057



19.6411, 20.5567, 23.1826



9.4332, 3.7761, 49.6663

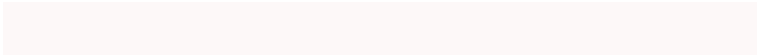


0.9189, 0.3685, 4.8360



# Inverse Universe

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



91.0207, 94.7965, 102.3119



92.6348, 96.4652, 104.1011



91.7037, 97.4613, 102.7869



19.8530, 20.6845, 22.3322



21.5497, 11.1092, 1.0131

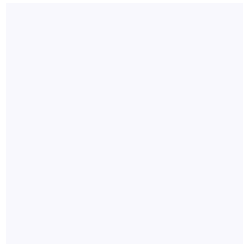


2.0984, 1.0817, 0.0997



# Previews

## White Background



This preview shows how the XYZ color 90.0084, 94.1831, 106.3637 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

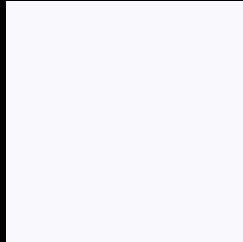
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 90.0084, 94.1831, 106.3637 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

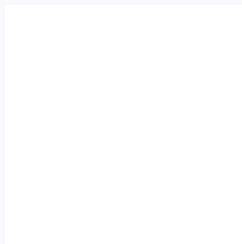
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 90.0084, 94.1831, 106.3637

## Background



This preview shows how black text looks on a background with the XYZ color 90.0084, 94.1831, 106.3637.



This preview shows how white text looks on a background with the XYZ color 90.0084, 94.1831,

106.537.

# 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**

90.0084, 94.1831, 106.3637

**Protanopia**

90.6151, 94.0590, 105.4747

**Deuteranopia**

91.4511, 94.0737, 103.7805

## **Tritanopia**

90.3777, 93.8813, 107.9652

# Trichromacy

## Original Color

90.0084, 94.1831, 106.3637

## Protanomaly

90.2558, 93.8738, 105.4579

## Deuteranomaly

90.8182, 94.1820, 104.6591

## Tritanomaly

90.2171, 93.8170, 107.1195

# Monochromacy

## Original Color

90.0084, 94.1831, 106.3637

## 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 90.0084, 94.1831, 106.3637 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(248, 248, 253)` looks like.

```
.text, #text, p{  
    color:rgb(248, 248, 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(248, 248, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 248, 253) }
```

## Border

The CSS property to change the border of an element to XYZ 90.0084, 94.1831, 106.3637 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(248, 248, 253) }
```



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

```
.border{ border-color:rgb(248, 248, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 248, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 248, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 248, 253);  
box-shadow:4px 4px 4px 4px rgb(248, 248,  
253) }
```

# Background

The CSS property to change the background color of an element to XYZ 90.0084, 94.1831, 106.3637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 248, 253) }
```

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

```
.background{ background-color: rgb(248,  
248, 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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