

# Converting Colors

XYZ(90.0952, 94.1856,  
108.0388)

Have a look what the booklet for  
XYZ(90.0952, 94.1856, 108.0388)  
contains.

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# **Color**

**XYZ(89.9752, 94.1290,  
108.0342)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7F8FF
RGB	247, 248, 255
RGB Percent	97%, 97%, 100%
CMY	0.0314, 0.0274, 0.0000
CMYK	0.03, 0.03, 0.00, 0.00
HSL	232°, 100%, 98%
HSV	232°, 3%, 100%
XYZ	89.9752, 94.1290, 108.0342
YIQ	248.4990, -2.8430, 1.9650

# Conversions

## Conversions Part 2

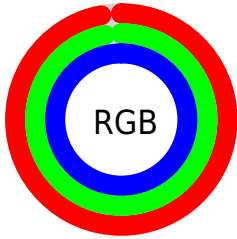
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	247, 248, 255
Decimal	16251135
CIE <sub>Lab</sub>	97.68, 0.93, -3.47
CIE <sub>LCh</sub>	98, 3.594, 284.940
Yxy	94.1290, 0.3080, 0.3222
Android (android.graphics.Color)	4294441215 (0xFF7F8FF)
YUV	248.4990, 3.2050, -1.3146
Hunter-Lab	97.0201, -4.2466, 1.8932

# Details

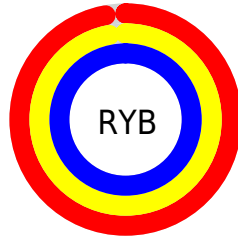
The XYZ color 89.9752, 94.1290, 108.0342 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 93.4693, 98.8566, 102.1521, and the grayscale version is 89.6100, 94.2766, 102.6673.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.5285, 52.8529, 60.9646 is the 20% darker color. If you saturate the color by 10%, you get 75.1386, 76.9045, 105.4916, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

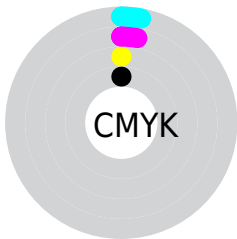
# Distribution



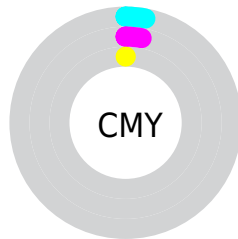
- Red (97%)
- Green (97%)
- Blue (100%)



- Red (97%)
- Yellow (97%)
- Blue (100%)



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



- Cyan (3%)
- Magenta (3%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 89.9752, 94.1290, 108.0342 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 89.9752, 94.1290, 108.0342 by changing the saturation by 10% instead.



89.9752, 94.1290,  
108.0342

89.9752, 94.1290,  
108.0342

516.1893,  
541.3728, 607.1206

68.2963, 71.4103,  
82.3728

146.1825,  
153.0607, 174.3028

50.4134, 52.6771,  
61.1353

181.4415,  
190.0425, 215.7471

35.9611, 37.5450,  
43.9031

221.9580,  
232.5474, 263.2894

24.5741, 25.6298,  
30.2577

268.0973,  
280.9599, 317.3483

15.8871, 16.5469,  
19.7805

320.2247,  
335.6642, 378.3424

9.5346, 9.9120,  
12.0531

378.7056,

5.1514, 5.3406,

397.0449, 446.6901

6.6569

443.9053,  
465.4863, 522.8100

■ 2.3720, 2.4485,  
3.1733

■ 0.8311, 0.8507,  
1.1838

■ 89.9752, 94.1290,  
108.0342

■ 89.9752, 94.1290,  
108.0342

■ 75.1386, 76.9045,  
105.4916

95.0500, 100.0000,  
108.9000

■ 62.2678, 61.8608,  
103.2662

■ 51.2823, 48.9142,  
101.3463

■ 42.0929, 37.9709,  
99.7183

■ 34.6031, 28.9302,  
98.3680

■ 28.7075, 21.6823,  
97.2798

■ 24.2887, 16.1063,  
96.4364

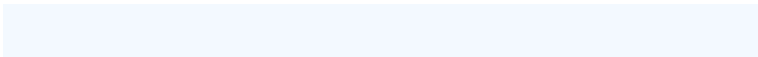
■ 21.2124, 12.0658,  
95.8187

■ 19.3194, 9.4022,  
95.4043

# Harmonies

## Analogous

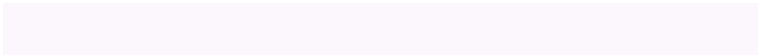
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.9563, 94.1290, 108.0310



89.9752, 94.1290, 108.0342



90.8644, 94.1290, 106.5328

# Triad

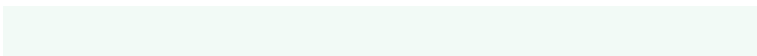
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.9752, 94.1290, 108.0342



90.8673, 94.1290, 98.5599



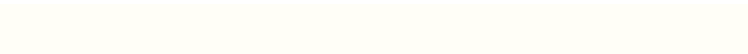
87.5795, 94.1290, 101.0327

# Complementary

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



89.9752, 94.1290, 108.0342



93.4693, 98.8566, 102.1521

# Split Complementary

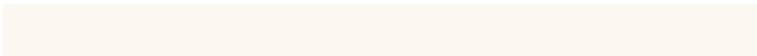
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.0836, 94.1290, 98.5517



89.9752, 94.1290, 108.0342



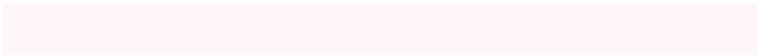
89.9792, 94.1290, 97.1427

# Square

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



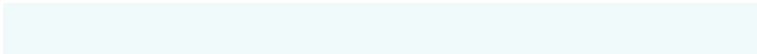
89.9752, 94.1290, 108.0342



91.3821, 94.1290, 101.0440



88.9603, 94.1290, 97.1397



87.5784, 94.1290, 103.9507

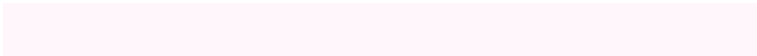


# Rectangle

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



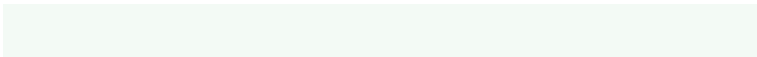
89.9752, 94.1290, 108.0342



91.2617, 94.1290, 104.8968



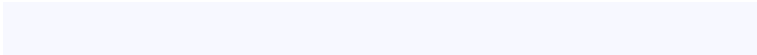
88.9603, 94.1290, 97.1397



87.6955, 94.1290, 100.1212

# Sweetspot

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



89.9776, 94.1329, 108.0349



93.4108, 98.1051, 108.6206



91.9972, 98.4460, 107.8634



20.0110, 21.0185, 23.2522



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.



89.9776, 94.1329, 108.0349



88.6167, 92.5570, 107.8024



90.7122, 94.0546, 107.9810



18.7165, 19.5201, 23.0312



9.7583, 4.4262, 49.7746

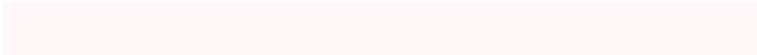


1.0052, 0.5410, 4.8647



# Inverse Universe

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



91.4455, 94.5603, 102.2440



90.4788, 93.1026, 100.4554



92.7181, 98.9435, 102.2084



19.1879, 19.6589, 21.1713



21.7137, 11.1748, 1.8771

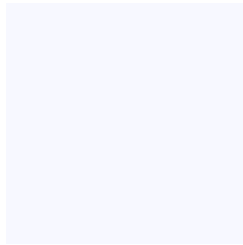


2.1420, 1.0992, 0.3291



# Previews

## White Background



This preview shows how the XYZ color 89.9752, 94.1290, 108.0342 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

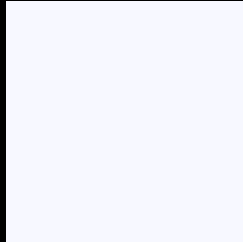
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.9752, 94.1290, 108.0342 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

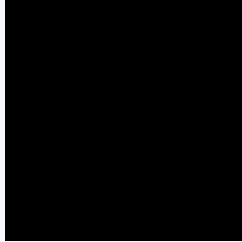
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

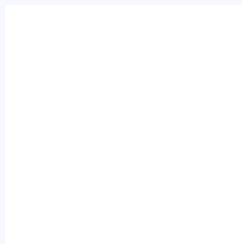
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 89.9752, 94.1290, 108.0342

## Background



This preview shows how black text looks on a background with the XYZ color 89.9752, 94.1290, 108.0342.



This preview shows how white text looks on a background with the XYZ color 89.9752, 94.1290,



# 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**

89.9752, 94.1290, 108.0342

**Protanopia**

90.9338, 94.1865, 107.1530

**Deuteranopia**

91.6084, 94.1366, 104.6087

## **Tritanopia**

90.3288, 94.3113, 108.0508

# Trichromacy

## Original Color

89.9752, 94.1290, 108.0342

## Protanomaly

90.5745, 94.0013, 107.1362

## Deuteranomaly

90.9763, 94.2453, 105.4916

## Tritanomaly

90.3288, 94.3113, 108.0508

# Monochromacy

## Original Color

89.9752, 94.1290, 108.0342

## Achromatopsia

90.0415, 94.7307, 103.1617

## Achromatomaly

89.9997, 94.6729, 104.7970

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 89.9752, 94.1290, 108.0342 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(247, 248, 255) looks like.

```
.text, #text, p{  
    color:rgb(247, 248, 255)  
}
```

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(247, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 248, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 89.9752, 94.1290, 108.0342 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(247, 248, 255) }
```



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

```
.border{ border-color:rgb(247, 248, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(247, 248, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(247, 248, 255); box-shadow:4px 4px 4px 4px rgb(247, 248, 255) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.9752, 94.1290, 108.0342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 248, 255) }
```

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

```
.background{ background-color: rgb(247,  
248, 255) }
```

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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