

# Converting Colors

XYZ(89.7729, 95.0038,  
103.3340)

Have a look what the booklet for  
XYZ(89.7729, 95.0038, 103.3340)  
contains.

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# Color

**XYZ(89.6423, 94.9849,  
103.2318)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7FAF9
RGB	247, 250, 249
RGB Percent	97%, 98%, 98%
CMY	0.0314, 0.0196, 0.0235
CMYK	0.01, 0.00, 0.00, 0.02
HSL	160°, 23%, 97%
HSV	160°, 1%, 98%
XYZ	89.6423, 94.9849, 103.2318
YIQ	248.9890, -1.4670, -0.9470

# Conversions

## Conversions Part 2

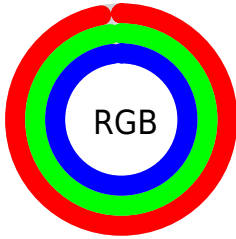
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	247, 249, 250
Decimal	16251641
CIE Lab	98.03, -1.16, 0.12
CIE LCh	98, 1.167, 174.055
Yxy	94.9849, 0.3114, 0.3300
Android (android.graphics.Color)	4294441721 (0xFF7FAF9)
YUV	248.9890, 0.0054, -1.7444
Hunter-Lab	97.4602, -6.3740, 5.4210

# Details

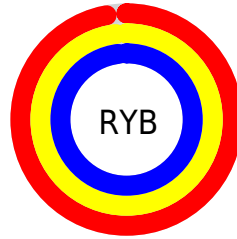
The XYZ color 89.6423, 94.9849, 103.2318 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 89.6319, 93.6254, 102.1591, and the grayscale version is 90.0367, 94.7256, 103.1562.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.4033, 53.5102, 58.1240 is the 20% darker color. If you saturate the color by 10%, you get 80.1363, 90.2343, 96.1351, and if you desaturate by 10%, it is 93.4774, 96.8548, 108.3758.

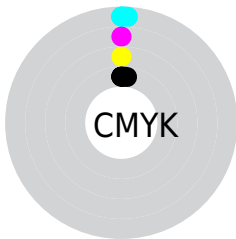
# Distribution



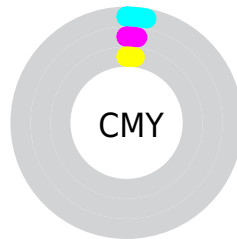
- Red (97%)
- Green (98%)
- Blue (98%)



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



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 89.6423, 94.9849, 103.2318 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 89.6423, 94.9849, 103.2318 by changing the saturation by 10% instead.



89.6423, 94.9849,  
103.2318

89.6423, 94.9849,  
103.2318

515.1218,  
544.1166, 591.8401

68.0193, 72.1224,  
78.3704

145.7223,  
154.2437, 167.6819

50.1872, 53.2587,  
57.8601

180.9100,  
191.4089, 208.1076

35.7805, 38.0093,  
41.2822

221.3500,  
234.1104, 254.5585

24.4341, 25.9899,  
28.2183

267.4077,  
282.7326, 307.4532

15.7824, 16.8161,  
18.2498

319.4483,  
337.6599, 367.2102

9.4602, 10.1035,  
10.9582

377.8373,

5.1020, 5.4676,

399.2768, 434.2479

5.9249

442.9401,  
467.9675, 508.9851

■ 2.3426, 2.5242,  
2.7314

■ 0.8163, 0.8887,  
0.9592

■ 89.6423, 94.9849,  
103.2318

■ 89.6423, 94.9849,  
103.2318

■ 80.1363, 90.2343,  
96.1351

■ 93.4774, 96.8548,  
108.3758

■ 71.8202, 86.0879,  
89.3908

■ 64.6462, 82.5237,  
82.9949

■ 58.5600, 79.5138,  
76.9405

■ 53.5028, 77.0281,  
71.2210

■ 49.4101, 75.0333,  
65.8290

■ 46.2096, 73.4924,  
60.7568

■ 43.8188, 72.3628,  
55.9962

■ 42.1383, 71.5934,  
51.5380

# Harmonies

## Analogous

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



89.7608, 94.9849, 102.3452



89.6423, 94.9849, 103.2318



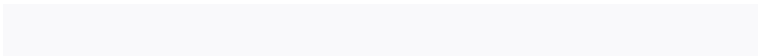
89.6944, 94.9849, 104.1748

# Triad

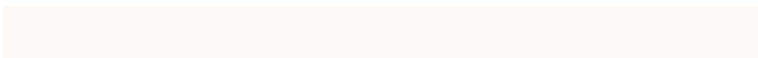
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.6423, 94.9849, 103.2318



90.5426, 94.9849, 105.1130



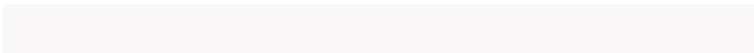
90.6583, 94.9849, 101.9388

# Complementary

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



89.6423, 94.9849, 103.2318



89.6319, 93.6254, 102.1591

# 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.



90.8687, 94.9849, 102.6736



89.6423, 94.9849, 103.2318



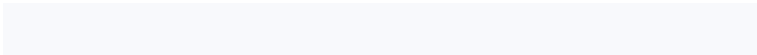
90.8018, 94.9849, 104.5071

# Square

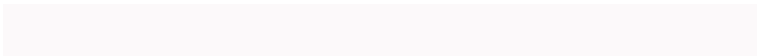
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



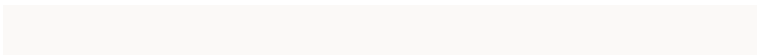
89.6423, 94.9849, 103.2318



90.2137, 94.9849, 105.2647



90.9213, 94.9849, 103.6133



90.3469, 94.9849, 101.6017

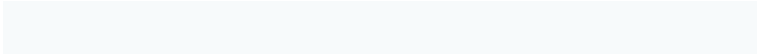


# Rectangle

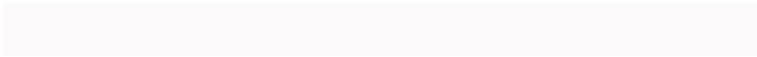
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



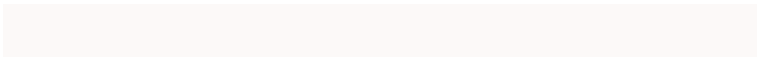
89.6423, 94.9849, 103.2318



89.8190, 94.9849, 104.7081



90.9213, 94.9849, 103.6133



90.7432, 94.9849, 102.1473

# Sweetspot

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



89.6450, 94.9890, 103.2339

95.0500, 100.0000, 108.9000



89.7065, 95.0565, 101.6169



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.



89.6450, 94.9890, 103.2339



93.9811, 99.4648, 108.1353



89.6622, 94.7721, 104.0144



19.2681, 20.3861, 22.1652



21.8751, 37.7630, 25.7493

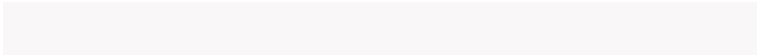


2.0752, 3.5172, 2.6440



# Inverse Universe

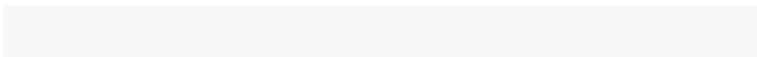
The Inverse Universe completely reimagines the original color for something new.



89.6319, 93.6254, 102.1591



93.9697, 98.2749, 107.1974



89.6145, 93.8392, 101.3868



19.2659, 20.1548, 21.9828



21.8111, 11.1402, 5.7138

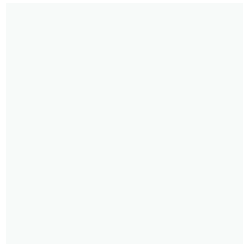


2.0672, 1.0506, 0.7771



# Previews

## White Background



This preview shows how the XYZ color 89.6423, 94.9849, 103.2318 looks on a white background.

## Color Contrast Check

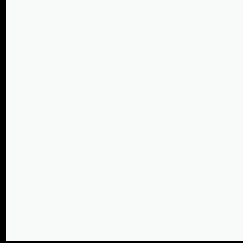
Large Text (above 18pt) WCAG AA × Fail

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 89.6423, 94.9849, 103.2318 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

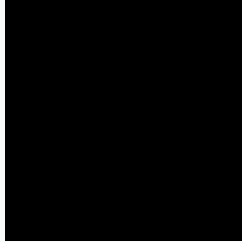
Any Text WCAG AAA ✓ Pass

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

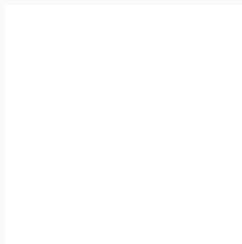


# XYZ 89.6423, 94.9849, 103.2318

## Background



This preview shows how black text looks on a background with the XYZ color 89.6423, 94.9849, 103.2318.



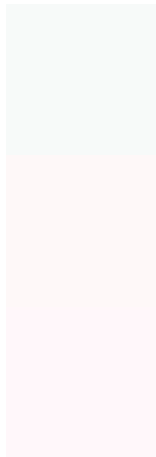
This preview shows how white text looks on a background with the XYZ color 89.6423, 94.9849,



# 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

89.6423, 94.9849, 103.2318

### Protanopia

91.3837, 94.9829, 102.3240

### Deuteranopia

91.7561, 94.6837, 103.8822

## **Tritanopia**

90.9926, 95.1111, 108.1702

# Trichromacy



**Original Color**

89.6423, 94.9849, 103.2318

**Protanomaly**

90.6026, 95.0379, 102.3758

**Deuteranomaly**

90.9676, 94.7324, 103.9332

**Tritanomaly**

90.3167, 94.7997, 106.4665

# Monochromacy



**Original Color**

89.6423, 94.9849, 103.2318

**Achromatopsia**

90.0415, 94.7307, 103.1617

**Achromatomaly**

89.6860, 94.5474, 103.1450

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 89.6423, 94.9849, 103.2318 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, 250, 249) looks like.

```
.text, #text, p{  
    color:rgb(247, 250, 249)  
}
```

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, 250, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 250, 249) }
```

## Border

The CSS property to change the border of an element to XYZ 89.6423, 94.9849, 103.2318 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, 250, 249) }
```

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

```
.border{ border-color:rgb(247, 250, 249) }
```

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

Here you see how a box with a 4 pixel rgb(247, 250, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 250, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 250, 249);  
box-shadow:4px 4px 4px 4px rgb(247, 250,  
249) }
```



# Background

The CSS property to change the background color of an element to XYZ 89.6423, 94.9849, 103.2318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 250, 249) }
```

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

```
.background{ background-color: rgb(247,  
250, 249) }
```

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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