

# Converting Colors

XYZ(90.4135, 96.5984,  
100.1720)

Have a look what the booklet for  
XYZ(90.4135, 96.5984, 100.1720)  
contains.

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# Color

**XYZ(90.3588, 96.3531,  
100.2218)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9FCF5
RGB	249, 252, 245
RGB Percent	98%, 99%, 96%
CMY	0.0235, 0.0117, 0.0392
CMYK	0.01, 0.00, 0.03, 0.01
HSL	86°, 54%, 97%
HSV	86°, 3%, 99%
XYZ	90.3588, 96.3531, 100.2218
YIQ	250.3050, 0.4590, -2.8130

# Conversions

## Conversions Part 2

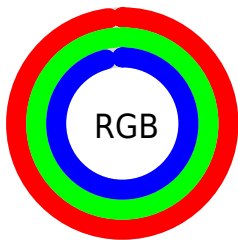
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	245, 252, 248
Decimal	16383221
CIE <sub>Lab</sub>	98.57, -2.21, 2.99
CIE <sub>LCh</sub>	99, 3.715, 126.434
Yxy	96.3531, 0.3149, 0.3358
Android (android.graphics.Color)	4294573301 (0xFFFF9FCF5)
YUV	250.3050, -2.6154, -1.1445
Hunter-Lab	98.1596, -7.4648, 8.1761

# Details

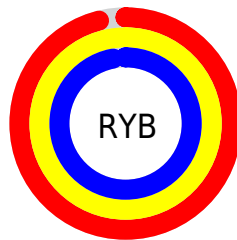
The XYZ color 90.3588, 96.3531, 100.2218 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 88.9381, 92.2921, 105.2270, and the grayscale version is 91.1415, 95.8880, 104.4220.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.6927, 54.0418, 55.9034 is the 20% darker color. If you saturate the color by 10%, you get 83.0289, 92.9918, 81.1453, and if you desaturate by 10%, it is 94.1023, 98.1045, 108.5841.

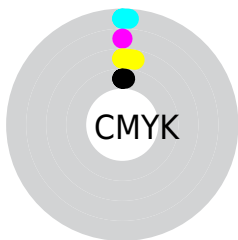
# Distribution



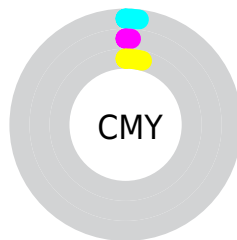
- Red (98%)
- Green (99%)
- Blue (96%)



- Red (96%)
- Yellow (99%)
- Blue (97%)



- Cyan (1%)
- Magenta (0%)
- Yellow (3%)
- Black (1%)



- Cyan (2%)
- Magenta (1%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 90.3588, 96.3531, 100.2218 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 90.3588, 96.3531, 100.2218 by changing the saturation by 10% instead.



90.3588, 96.3531,  
100.2218

90.3588, 96.3531,  
100.2218

517.4178,  
548.4878, 582.1563

68.6155, 73.2617,  
75.8679

146.7125,  
156.1326, 163.5165

50.6742, 54.1900,  
55.8182

182.0536,  
193.5895, 203.2943

36.1693, 38.7536,  
39.6541

222.6581,  
236.6037, 249.0505

24.7357, 26.5681,  
26.9572

268.8913,  
285.5596, 301.2037

16.0080, 17.2491,  
17.3090

321.1184,  
340.8416, 360.1723

9.6207, 10.4122,  
10.2907

379.7050,

5.2085, 5.6731,

402.8340, 426.3749

5.4840

445.0164,  
471.9212, 500.2301

■ 2.4061, 2.6474,  
2.4703

■ 0.8482, 0.9505,  
0.8244

■ 90.3588, 96.3531,  
100.2218

■ 90.3588, 96.3531,  
100.2218

■ 83.0289, 92.9918,  
81.1453

■ 94.1023, 98.1045,  
108.5841

■ 76.4173, 89.9400,  
64.7259

■ 70.5004, 87.1908,  
50.8471

■ 65.2502, 84.7326,  
39.3815

■ 60.6366, 82.5528,  
30.1908

■ 56.6263, 80.6377,  
23.1224

■ 53.1827, 78.9722,  
18.0051

■ 50.2639, 77.5389,  
14.6412

■ 47.8199, 76.3174,  
12.7911

# Harmonies

## Analogous

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



91.3493, 96.3531, 99.1397



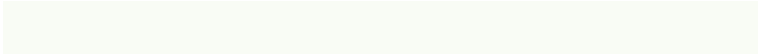
90.3588, 96.3531, 100.2218



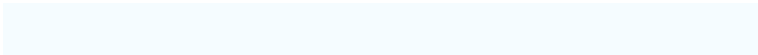
89.6994, 96.3531, 102.5635

# Triad

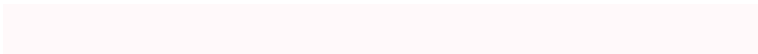
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.3588, 96.3531, 100.2218



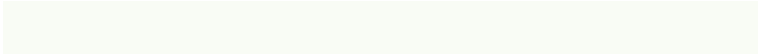
90.7569, 96.3531, 110.4315



93.6498, 96.3531, 104.2503

# Complementary

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



90.3588, 96.3531, 100.2218



88.9381, 92.2921, 105.2270

# Split Complementary

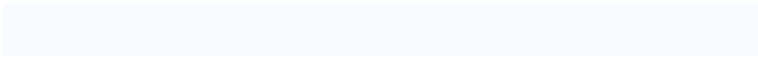
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.4882, 96.3531, 107.2964



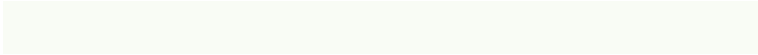
90.3588, 96.3531, 100.2218



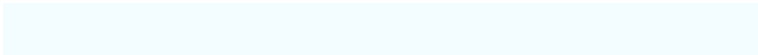
91.8125, 96.3531, 110.9044

# Square

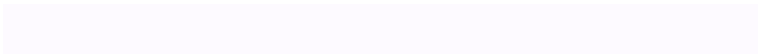
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



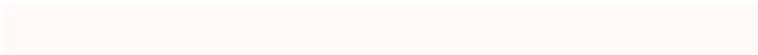
90.3588, 96.3531, 100.2218



89.9280, 96.3531, 108.4668



92.8136, 96.3531, 109.7466

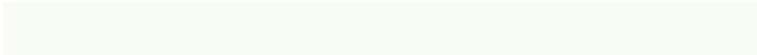


93.2536, 96.3531, 101.4361



# Rectangle

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



90.3588, 96.3531, 100.2218



89.5335, 96.3531, 104.5444



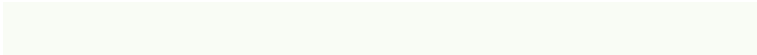
92.8136, 96.3531, 109.7466



93.6590, 96.3531, 105.2808

# Sweetspot

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



90.3615, 96.3572, 100.2239



94.2409, 99.6300, 106.7333



90.1716, 94.3750, 99.8513



20.1800, 21.3288, 22.8681



0.0000, 0.0000, 0.0000

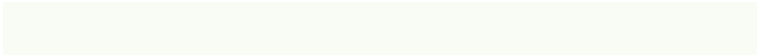


20.3446, 21.4041, 23.3091



# Same Dimension

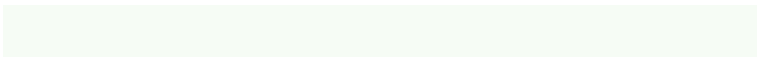
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.3615, 96.3572, 100.2239



92.6457, 98.9000, 102.4858



89.1548, 95.7351, 100.1674



18.8552, 20.2062, 20.6604



24.2888, 39.4396, 6.3325

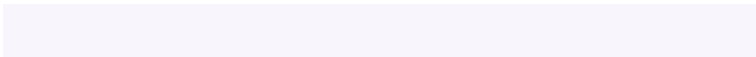


2.3709, 3.7153, 0.5922



# Inverse Universe

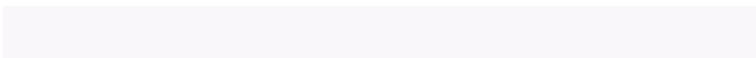
The Inverse Universe completely reimagines the original color for something new.



88.9381, 92.2921, 105.2270



91.0688, 94.3966, 108.0283



90.1605, 92.9223, 105.2842



18.4488, 19.0454, 22.0891



12.5407, 5.4076, 48.3564

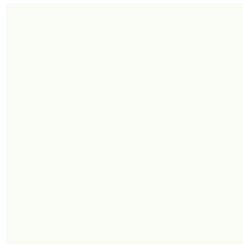


1.2801, 0.5620, 4.4842



# Previews

## White Background



This preview shows how the XYZ color 90.3588, 96.3531, 100.2218 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

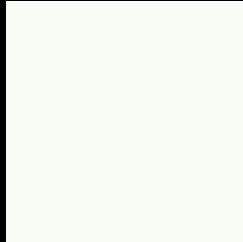
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 90.3588, 96.3531, 100.2218 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

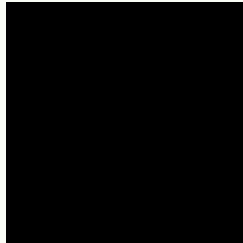
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 90.3588, 96.3531, 100.2218

## Background



This preview shows how black text looks on a background with the XYZ color 90.3588, 96.3531, 100.2218.



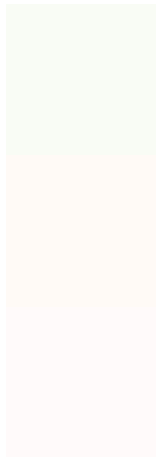
This preview shows how white text looks on a background with the XYZ color 90.3588, 96.3531,



# 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

90.3588, 96.3531, 100.2218

### Protanopia

92.0602, 96.2850, 100.9216

### Deuteranopia

92.6809, 96.5333, 104.1905

## **Tritanopia**

92.0193, 96.1004, 108.3070

# Trichromacy

## Original Color

90.3588, 96.3531, 100.2218

## Protanomaly

91.6397, 96.5308, 100.9912

## Deuteranomaly

91.9485, 96.6543, 102.6169

## Tritanomaly

91.3341, 96.2834, 105.0375

# Monochromacy

## Original Color

90.3588, 96.3531, 100.2218

## Achromatopsia

90.8653, 95.5973, 104.1055

## Achromatomaly

90.8648, 96.0957, 102.5662

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 90.3588, 96.3531, 100.2218 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, 252, 245) looks like.

```
.text, #text, p{  
    color:rgb(249, 252, 245)  
}
```

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, 252, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 252, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 90.3588, 96.3531, 100.2218 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, 252, 245) }
```



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

```
.border{ border-color:rgb(249, 252, 245) }
```

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

Here you see how a box with a 4 pixel rgb(249, 252, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 252, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 252, 245);  
box-shadow:4px 4px 4px 4px rgb(249, 252,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 90.3588, 96.3531, 100.2218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 252, 245) }
```

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

```
.background{ background-color: rgb(249,  
252, 245) }
```

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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