

# Converting Colors

XYZ(90.7768, 97.5171,  
100.4553)

Have a look what the booklet for  
XYZ(90.7768, 97.5171, 100.4553)  
contains.

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# Color

**XYZ(90.6346, 97.4327,  
100.4156)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8FEF5
RGB	248, 254, 245
RGB Percent	97%, 100%, 96%
CMY	0.0274, 0.0039, 0.0392
CMYK	0.02, 0.00, 0.04, 0.00
HSL	100°, 82%, 98%
HSV	100°, 4%, 100%
XYZ	90.6346, 97.4327, 100.4156
YIQ	251.1800, -0.6870, -4.0710

# Conversions

## Conversions Part 2

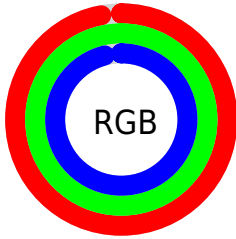
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	245, 254, 251
Decimal	16318197
CIE Lab	99.00, -3.54, 3.60
CIE LCh	99, 5.051, 134.564
Yxy	97.4327, 0.3142, 0.3377
Android (android.graphics.Color)	4294508277 (0xFF8FEF5)
YUV	251.1800, -3.0467, -2.7889
Hunter-Lab	98.7080, -8.8387, 8.7799

# Details

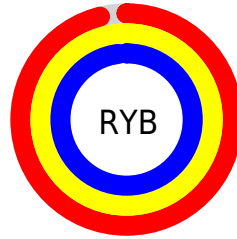
The XYZ color 90.6346, 97.4327, 100.4156 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 90.3293, 92.9725, 106.9557, and the grayscale version is 91.8714, 96.6559, 105.2582.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.8898, 54.8131, 56.0419 is the 20% darker color. If you saturate the color by 10%, you get 81.2843, 93.0330, 81.1065, and if you desaturate by 10%, it is 94.7338, 99.3675, 108.7946.

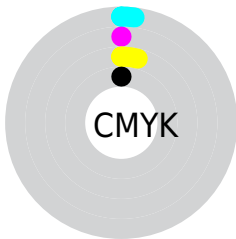
# Distribution



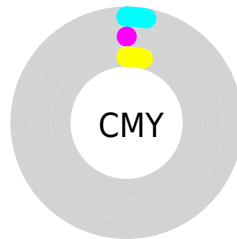
- Red (97%)
- Green (100%)
- Blue (96%)



- Red (96%)
- Yellow (100%)
- Blue (98%)



- Cyan (2%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (3%)
- Magenta (0%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 90.6346, 97.4327, 100.4156 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 90.6346, 97.4327, 100.4156 by changing the saturation by 10% instead.




 90.6346, 97.4327,  
100.4156

 90.6346, 97.4327,  
100.4156


518.3002,  
551.9240, 582.7824

 68.8451, 74.1614,  
76.0289


147.0934,  
157.6212, 163.7850

 50.8618, 54.9261,  
55.9494


182.4935,  
195.3072, 203.6048

 36.3192, 39.3426,  
39.7586


223.1611,  
238.5669, 249.4060

 24.8521, 27.0263,  
27.0380

269.4617,  
287.7846, 301.6072

 16.0950, 17.5930,  
17.3691

321.7605,  
343.3448, 360.6269

 9.6827, 10.6582,  
10.3333

380.4230,

 5.2497, 5.8375,

405.6318, 426.8836

5.5120

445.8144,  
475.0301, 500.7959

■ 2.4308, 2.7465,  
2.4867

■ 0.8605, 1.0009,  
0.8331

■ 90.6346, 97.4327,  
100.4156

■ 90.6346, 97.4327,  
100.4156

■ 81.2843, 93.0330,  
81.1065

94.7338, 99.3675,  
108.7946

■ 72.9714, 89.1063,  
64.5103

■ 65.6606, 85.6398,  
50.5072

■ 59.3115, 82.6155,  
38.9658

■ 53.8807, 80.0144,  
29.7436

■ 49.3212, 77.8154,  
22.6832

■ 45.5812, 75.9958,  
17.6076

■ 42.6025, 74.5301,  
14.3118

■ 40.3169, 73.3886,  
12.5464

# Harmonies

## Analogous

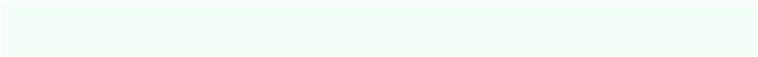
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.8968, 97.4327, 98.4327



90.6346, 97.4327, 100.4156



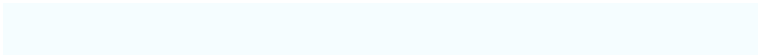
89.9048, 97.4327, 103.9444

# Triad

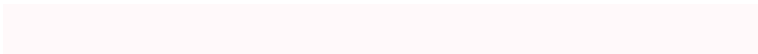
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.6346, 97.4327, 100.4156



91.8554, 97.4327, 114.0960



95.3739, 97.4327, 104.0620

# Complementary

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



90.6346, 97.4327, 100.4156



90.3293, 92.9725, 106.9557

# Split Complementary

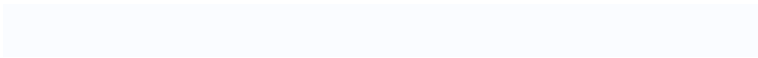
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.3625, 97.4327, 108.2602



90.6346, 97.4327, 100.4156



93.3205, 97.4327, 114.1296

# Square

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



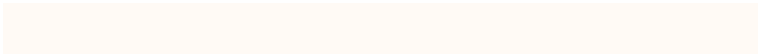
90.6346, 97.4327, 100.4156



90.6046, 97.4327, 111.8789



94.6075, 97.4327, 111.9694



94.6384, 97.4327, 100.4998



# Rectangle

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



90.6346, 97.4327, 100.4156



89.8135, 97.4327, 106.7341



94.6075, 97.4327, 111.9694



95.4575, 97.4327, 105.4438

# Sweetspot

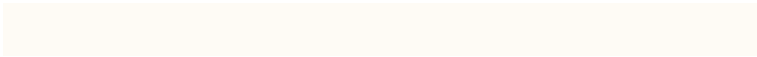
The Sweet Spot groups the original color and five complimentary colors.



90.6373, 97.4369, 100.4177



94.0192, 99.5157, 106.7229



91.8556, 96.6619, 100.2039



20.1349, 21.3056, 22.8660



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.



90.6373, 97.4369, 100.4177



90.9925, 98.0930, 100.3642



89.8124, 96.9850, 101.5801



19.3170, 20.9211, 21.1494



20.7809, 38.4510, 6.3265

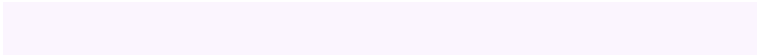


2.1336, 3.8007, 0.6212



# Inverse Universe

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



90.3293, 92.9725, 106.9557



90.6429, 93.0251, 107.7860



91.1791, 93.4382, 105.7457



19.2285, 19.6389, 23.0272



18.2646, 8.3262, 50.0791



1.8943, 0.8705, 4.8814



# Previews

## White Background



This preview shows how the XYZ color 90.6346, 97.4327, 100.4156 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

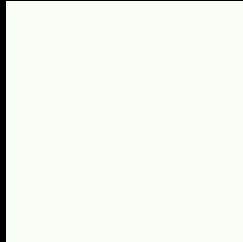
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 90.6346, 97.4327, 100.4156 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 90.6346, 97.4327, 100.4156

## Background



This preview shows how black text looks on a background with the XYZ color 90.6346, 97.4327, 100.4156.



This preview shows how white text looks on a background with the XYZ color 90.6346, 97.4327,



# 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

A vertical bar on the left side of the page is divided into three colored sections: a light green top section, a light orange middle section, and a light pink bottom section. These sections correspond to the 'Original Color', 'Protanopia', and 'Deuteranopia' labels respectively.

### Original Color

90.6346, 97.4327, 100.4156

### Protanopia

92.9937, 97.6581, 102.7555

### Deuteranopia

93.3079, 97.2826, 105.9550

## **Tritanopia**

93.0053, 97.5363, 108.5322

# Trichromacy

## Original Color

90.6346, 97.4327, 100.4156

## Protanomaly

92.0587, 97.6614, 101.9942

## Deuteranomaly

92.0542, 97.1558, 103.5237

## Tritanomaly

92.3215, 97.7248, 105.2637

# Monochromacy

## Original Color

90.6346, 97.4327, 100.4156

## Achromatopsia

91.6934, 96.4686, 105.0543

## Achromatomaly

91.3336, 96.7844, 103.4900

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 90.6346, 97.4327, 100.4156 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, 254, 245)` looks like.

```
.text, #text, p{  
    color:rgb(248, 254, 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(248, 254, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 254, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 90.6346, 97.4327, 100.4156 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, 254, 245) }
```



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

```
.border{ border-color:rgb(248, 254, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 254, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 254, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 254, 245);  
box-shadow:4px 4px 4px 4px rgb(248, 254,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 90.6346, 97.4327, 100.4156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 254, 245) }
```

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

```
.background{ background-color: rgb(248,  
254, 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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