

# Converting Colors

XYZ(91.3127, 100.0000,  
93.6382)

Have a look what the booklet for  
XYZ(91.3127, 100.0000, 93.6382)  
contains.

<b>XYZ(90.3247, 97.9001, 93.4929)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(90.3247, 97.9001,  
93.4929)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAFFEC
RGB	250, 255, 236
RGB Percent	98%, 100%, 93%
CMY	0.0196, 0.0000, 0.0745
CMYK	0.02, 0.00, 0.07, 0.00
HSL	76°, 100%, 96%
HSV	76°, 7%, 100%
XYZ	90.3247, 97.9001, 93.4929
YIQ	251.3390, 3.1190, -6.9690

# Conversions

## Conversions Part 2

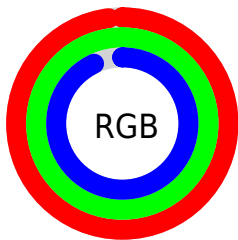
Format	Color
R <sub>Y</sub> B	236, 255, 241
Decimal	16449516
CIE Lab	99.18, -4.90, 8.50
CIE LCh	99, 9.806, 119.960
Yxy	97.9001, 0.3206, 0.3475
Android (android.graphics.Color)	4294639596 (0xFFFAFFEC)
YUV	251.3390, -7.5621, -1.1743
Hunter-Lab	98.9445, -10.2033, 13.2379

# Details

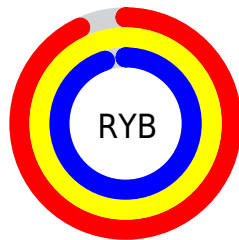
The XYZ color 90.3247, 97.9001, 93.4929 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 84.3218, 85.9129, 106.7463, and the grayscale version is 92.0348, 96.8278, 105.4454.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.6804, 55.1528, 51.1544 is the 20% darker color. If you saturate the color by 10%, you get 84.5186, 95.3049, 75.2422, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

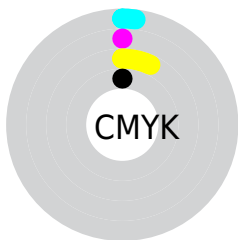
# Distribution



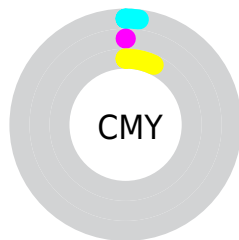
- Red (98%)
- Green (100%)
- Blue (93%)



- Red (93%)
- Yellow (100%)
- Blue (95%)



- Cyan (2%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)



- Cyan (2%)
- Magenta (0%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 90.3247, 97.9001, 93.4929 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 90.3247, 97.9001, 93.4929 by changing the saturation by 10% instead.



90.3247, 97.9001,  
93.4929

90.3247, 97.9001,  
93.4929

517.3087,  
553.4083, 560.1894

68.5871, 74.5511,  
70.2913

146.6654,  
158.2652, 154.1584

50.6510, 55.2452,  
51.2858

181.9992,  
196.0500, 192.4595

36.1508, 39.5981,  
36.0578

222.5959,  
239.4156, 236.6307

24.7214, 27.2253,  
24.1888

268.8207,  
288.7463, 287.0908

15.9972, 17.7425,  
15.2602

321.0390,  
344.4265, 344.2581

9.6130, 10.7653,  
8.8536

379.6162,

5.2034, 5.9092,

406.8407, 408.5513

4.5503

444.9177,  
476.3731, 480.3889

■ 2.4031, 2.7900,  
1.9318

■ 0.8466, 1.0231,  
0.5129

■ 90.3247, 97.9001,  
93.4929

■ 90.3247, 97.9001,  
93.4929

■ 84.5186, 95.3049,  
75.2422

95.0500, 100.0000,  
108.9000

■ 79.3032, 92.9557,  
59.6625

■ 74.6543, 90.8428,  
46.6294

■ 70.5454, 88.9554,  
36.0069

■ 66.9472, 87.2818,  
27.6464

■ 63.8275, 85.8090,  
21.3827

■ 61.1498, 84.5221,  
17.0283

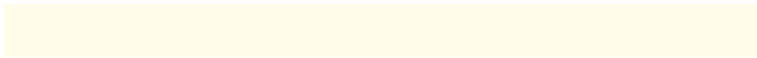
■ 58.8711, 83.4041,  
14.3624

■ 56.9357, 82.4323,  
13.0969

# Harmonies

## Analogous

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



93.0550, 97.9001, 91.5728



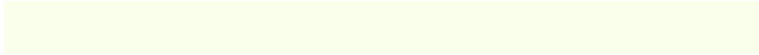
90.3247, 97.9001, 93.4929



88.3592, 97.9001, 98.8855

# Triad

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



90.3247, 97.9001, 93.4929



90.3182, 97.9001, 120.8588



98.6743, 97.9001, 106.6076

# Complementary

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



90.3247, 97.9001, 93.4929



84.3218, 85.9129, 106.7463

# 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.



97.9062, 97.9001, 114.6984



90.3247, 97.9001, 93.4929



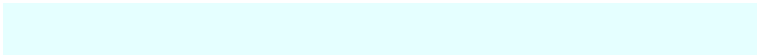
93.0473, 97.9001, 123.1797

# Square

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



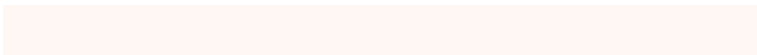
90.3247, 97.9001, 93.4929



88.3555, 97.9001, 114.6784



95.8318, 97.9001, 120.8707



97.9102, 97.9001, 98.9037



# Rectangle

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



90.3247, 97.9001, 93.4929



87.7268, 97.9001, 103.8673



95.8318, 97.9001, 120.8707



98.5866, 97.9001, 109.3732

# Sweetspot

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



90.3255, 97.9005, 93.4944



93.7477, 99.4222, 104.6097



87.7624, 90.0798, 92.1199



20.0795, 21.2865, 22.4357



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.



90.3255, 97.9005, 93.4944



89.3859, 97.4817, 90.4859



87.0914, 96.2333, 93.3430



19.0675, 20.8362, 19.1612



29.6581, 43.0274, 6.7420



2.9906, 4.2424, 0.6613



# Inverse Universe

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



84.3218, 85.9129, 106.7463



82.2102, 83.1538, 106.3251



87.5602, 87.5823, 106.8979



17.4511, 17.6088, 22.7290



10.7627, 4.4589, 49.7280

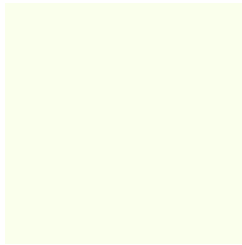


1.1454, 0.4844, 4.8464



# Previews

## White Background



This preview shows how the XYZ color 90.3247, 97.9001, 93.4929 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

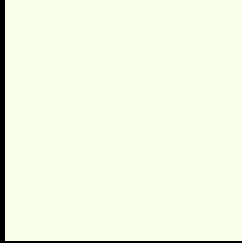
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 90.3247, 97.9001, 93.4929 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 90.3247, 97.9001, 93.4929

## Background



This preview shows how black text looks on a background with the XYZ color 90.3247, 97.9001, 93.4929.



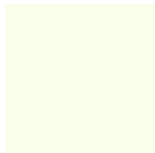
This preview shows how white text looks on a background with the XYZ color 90.3247, 97.9001,



# 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

90.3247, 97.9001, 93.4929



### Protanopia

92.9937, 97.6581, 102.7555

### Deuteranopia

93.6211, 97.9091, 106.0594

## **Tritanopia**

93.3684, 97.7235, 108.5492

# Trichromacy



**Original Color**

90.3247, 97.9001, 93.4929

**Protanomaly**

91.9624, 97.6649, 99.5922

**Deuteranomaly**

92.2678, 97.7870, 101.2005

**Tritanomaly**

92.2134, 97.7233, 102.8093

# Monochromacy



**Original Color**

90.3247, 97.9001, 93.4929



**Achromatopsia**

91.6934, 96.4686, 105.0543

**Achromatomaly**

91.2286, 96.7839, 101.0617

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 90.3247, 97.9001, 93.4929 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(250, 255, 236)` looks like.

```
.text, #text, p{  
    color:rgb(250, 255, 236)  
}
```

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(250, 255, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 255, 236) }
```

## Border

The CSS property to change the border of an element to XYZ 90.3247, 97.9001, 93.4929 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(250, 255, 236) }
```



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

```
.border{ border-color:rgb(250, 255, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 255, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 255, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 255, 236);  
box-shadow:4px 4px 4px 4px rgb(250, 255,  
236) }
```

# Background

The CSS property to change the background color of an element to XYZ 90.3247, 97.9001, 93.4929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 255, 236) }
```

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

```
.background{ background-color: rgb(250,  
255, 236) }
```

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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