

# Converting Colors

XYZ(90.4243, 97.9749, 92.4398)

Have a look what the booklet for  
XYZ(90.4243, 97.9749, 92.4398)  
contains.

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# **Color**

**XYZ(90.5391, 98.0274,  
92.7465)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBFFEB
RGB	251, 255, 235
RGB Percent	98%, 100%, 92%
CMY	0.0157, 0.0000, 0.0784
CMYK	0.02, 0.00, 0.08, 0.00
HSL	72°, 100%, 96%
HSV	72°, 8%, 100%
XYZ	90.5391, 98.0274, 92.7465
YIQ	251.5240, 4.0360, -7.0680

# Conversions

## Conversions Part 2

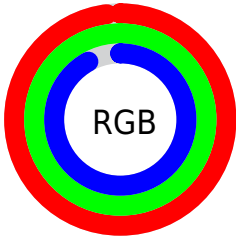
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	235, 255, 239
Decimal	16515051
CIE Lab	99.23, -4.72, 9.09
CIE LCh	99, 10.243, 117.461
Yxy	98.0274, 0.3218, 0.3485
Android (android.graphics.Color)	4294705131 (0xFFFBFFEB)
YUV	251.5240, -8.1463, -0.4595
Hunter-Lab	99.0088, -10.0351, 13.7662

# Details

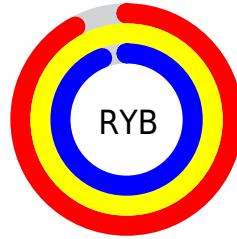
The XYZ color 90.5391, 98.0274, 92.7465 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 83.3556, 84.9885, 106.6189, and the grayscale version is 92.1930, 96.9942, 105.6267.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.5789, 55.1122, 50.6197 is the 20% darker color. If you saturate the color by 10%, you get 85.3028, 95.7236, 74.6285, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

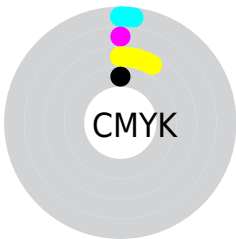
# Distribution



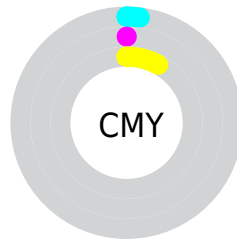
- Red (98%)
- Green (100%)
- Blue (92%)



- Red (92%)
- Yellow (100%)
- Blue (94%)



- Cyan (2%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)



- Cyan (2%)
- Magenta (0%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 90.5391, 98.0274, 92.7465 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 90.5391, 98.0274, 92.7465 by changing the saturation by 10% instead.



90.5391, 98.0274,  
92.7465

90.5391, 98.0274,  
92.7465

517.9948,  
553.8121, 557.7242

68.7656, 74.6572,  
69.6743

146.9615,  
158.4405, 153.1163

50.7968, 55.3321,  
50.7859

182.3412,  
196.2523, 191.2509

36.2673, 39.6677,  
35.6627

222.9870,  
239.6467, 235.2435

24.8118, 27.2795,  
23.8862

269.2642,  
289.0081, 285.5126

16.0649, 17.7833,  
15.0378

321.5382,  
344.7210, 342.4766

9.6612, 10.7945,  
8.6990

380.1744,

5.2354, 5.9288,

407.1697, 406.5542

4.4513

445.5382,  
476.7386, 478.1639

■ 2.4222, 2.8019,  
1.8760

■ 0.8562, 1.0292,  
0.4774

■ 90.5391, 98.0274,  
92.7465

■ 90.5391, 98.0274,  
92.7465

■ 85.3028, 95.7236,  
74.6285

95.0500, 100.0000,  
108.9000

■ 80.6207, 93.6471,  
59.1750

■ 76.4692, 91.7884,  
46.2613

■ 72.8220, 90.1371,  
35.7511

■ 69.6504, 88.6815,  
27.4950

■ 66.9224, 87.4089,  
21.3274

■ 64.6019, 86.3047,  
17.0596

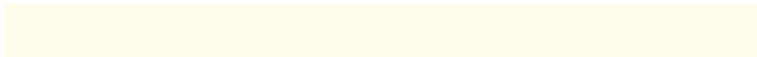
■ 62.6462, 85.3518,  
14.4692

■ 60.9984, 84.5274,  
13.2585

# Harmonies

## Analogous

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



93.4277, 98.0274, 91.0776



90.5391, 98.0274, 92.7465



88.3966, 98.0274, 98.0995

# Triad

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



90.5391, 98.0274, 92.7465



90.1059, 98.0274, 121.2661



99.0503, 98.0274, 107.4682

# Complementary

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



90.5391, 98.0274, 92.7465



83.3556, 84.9885, 106.6189

# Split Complementary

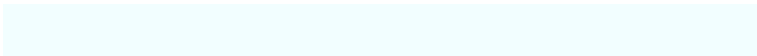
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



98.1166, 98.0274, 115.8633



90.5391, 98.0274, 92.7465



92.9170, 98.0274, 124.0917

# Square

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



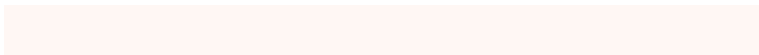
90.5391, 98.0274, 92.7465



88.1503, 98.0274, 114.5305



95.8557, 98.0274, 122.0641



98.3811, 98.0274, 99.3018



# Rectangle

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



90.5391, 98.0274, 92.7465



87.6577, 98.0274, 103.1910



95.8557, 98.0274, 122.0641



98.9130, 98.0274, 110.3596

# Sweetspot

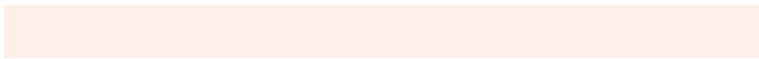
The Sweet Spot groups the original color and five complimentary colors.



90.5398, 98.0278, 92.7480



93.8655, 99.4830, 104.6152



87.0051, 88.7972, 91.1526



20.1035, 21.2989, 22.4368



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.



90.5398, 98.0278, 92.7480



89.9045, 97.7491, 90.5102



87.1456, 96.2780, 92.5891



19.1845, 20.8965, 19.1666



31.8242, 44.1440, 6.8433



3.1847, 4.3426, 0.6703



# Inverse Universe

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



83.3556, 84.9885, 106.6189



81.7252, 82.9038, 106.3024



86.7073, 86.7164, 106.7757



17.3421, 17.5526, 22.7239



10.2397, 4.1892, 49.7035

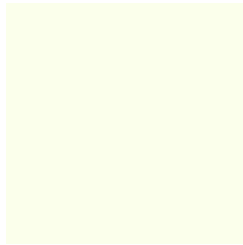


1.0806, 0.4510, 4.8434



# Previews

## White Background



This preview shows how the XYZ color 90.5391, 98.0274, 92.7465 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

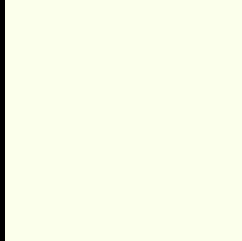
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 90.5391, 98.0274, 92.7465 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

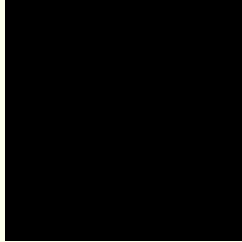
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 90.5391, 98.0274, 92.7465

## Background



This preview shows how black text looks on a background with the XYZ color 90.5391, 98.0274, 92.7465.



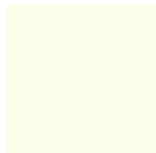
This preview shows how white text looks on a background with the XYZ color 90.5391, 98.0274,

92.7465.

# 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

90.5391, 98.0274, 92.7465



### Protanopia

93.3086, 98.2879, 102.8605

### Deuteranopia

93.6211, 97.9091, 106.0594

## **Tritanopia**

93.3684, 97.7235, 108.5492

# Trichromacy



**Original Color**

90.5391, 98.0274, 92.7465

**Protanomaly**

92.4925, 98.4255, 98.9172

**Deuteranomaly**

92.6329, 97.9752, 101.2176

**Tritanomaly**

92.2134, 97.7233, 102.8093

# Monochromacy



**Original Color**

90.5391, 98.0274, 92.7465

**Achromatopsia**

92.5260, 97.3445, 106.0082

**Achromatomaly**

91.9047, 97.5998, 101.1835

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 90.5391, 98.0274, 92.7465 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(251, 255, 235)` looks like.

```
.text, #text, p{  
    color:rgb(251, 255, 235)  
}
```

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(251, 255, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 255, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 90.5391, 98.0274, 92.7465 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(251, 255, 235) }
```



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

```
.border{ border-color:rgb(251, 255, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 255, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 255, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 255, 235);  
box-shadow:4px 4px 4px 4px rgb(251, 255,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 90.5391, 98.0274, 92.7465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 255, 235) }
```

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

```
.background{ background-color: rgb(251,  
255, 235) }
```

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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