

# Converting Colors

XYZ(92.9518, 100.0000,  
100.3845)

Have a look what the booklet for  
XYZ(92.9518, 100.0000, 100.3845)  
contains.

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# **Color**

**XYZ(92.2340, 98.7471,  
99.7868)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCFFF4
RGB	252, 255, 244
RGB Percent	99%, 100%, 96%
CMY	0.0118, 0.0000, 0.0431
CMYK	0.01, 0.00, 0.04, 0.00
HSL	76°, 100%, 98%
HSV	76°, 4%, 100%
XYZ	92.2340, 98.7471, 99.7868
YIQ	252.8490, 1.7430, -4.0570

# Conversions

## Conversions Part 2

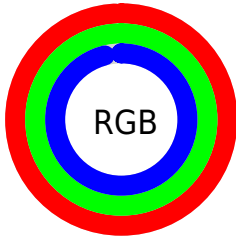
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	244, 255, 247
Decimal	16580596
CIE <sub>Lab</sub>	99.51, -2.89, 4.89
CIE <sub>LCh</sub>	100, 5.681, 120.524
Yxy	98.7471, 0.3172, 0.3396
Android (android.graphics.Color)	4294770676 (0xFFFCFF4)
YUV	252.8490, -4.3626, -0.7446
Hunter-Lab	99.3716, -8.2214, 10.0224

# Details

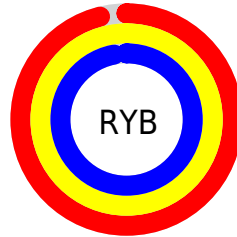
The XYZ color 92.2340, 98.7471, 99.7868 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 88.7592, 91.6967, 107.6289, and the grayscale version is 93.2712, 98.1285, 106.8620.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 51.7769, 55.6211, 55.5840 is the 20% darker color. If you saturate the color by 10%, you get 86.1539, 96.0296, 80.6693, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

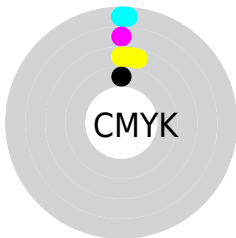
# Distribution



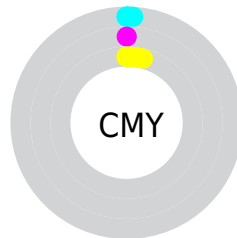
- Red (99%)
- Green (100%)
- Blue (96%)



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



- Cyan (1%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)



- Cyan (1%)
- Magenta (0%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 92.2340, 98.7471, 99.7868 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 92.2340, 98.7471, 99.7868 by changing the saturation by 10% instead.



92.2340, 98.7471,  
99.7868

92.2340, 98.7471,  
99.7868

523.4017,  
556.0926, 580.7498

70.1774, 75.2576,  
75.5066

149.3003,  
159.4314, 162.9135

51.9513, 55.8239,  
55.5238

185.0407,  
197.3949, 202.5971

37.1903, 40.0618,  
39.4198

226.0731,  
240.9519, 248.2522

25.5292, 27.5867,  
26.7761

272.7627,  
290.4868, 300.2974

16.6026, 18.0143,  
17.1742

325.4751,  
346.3839, 359.1512

10.0451, 10.9603,  
10.1955

384.5754,

5.4914, 6.0401,

409.0276, 425.2322

5.4215

450.4292,  
478.8024, 498.9588

■ 2.5760, 2.8695,  
2.4336

■ 0.9338, 1.0640,  
0.8047

■ 92.2340, 98.7471,  
99.7868

■ 92.2340, 98.7471,  
99.7868

■ 86.1539, 96.0296,  
80.6693

95.0500, 100.0000,  
108.9000

■ 80.6781, 93.5642,  
64.2607

■ 75.7830, 91.3415,  
50.4394

■ 71.4425, 89.3510,  
39.0730

■ 67.6281, 87.5810,  
30.0169

■ 64.3084, 86.0191,  
23.1119

■ 61.4484, 84.6510,  
18.1782

■ 59.0074, 83.4602,  
15.0071

■ 56.9356, 82.4269,  
13.3427

# Harmonies

## Analogous

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



93.8268, 98.7471, 98.5790



92.2340, 98.7471, 99.7868



91.0872, 98.7471, 103.0551

# Triad

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



92.2340, 98.7471, 99.7868



92.2843, 98.7471, 115.7286



97.1052, 98.7471, 107.4347

# Complementary

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



92.2340, 98.7471, 99.7868



88.7592, 91.6967, 107.6289

# 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.



96.6806, 98.7471, 112.1096



92.2340, 98.7471, 99.7868



93.8855, 98.7471, 116.9834

# Square

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



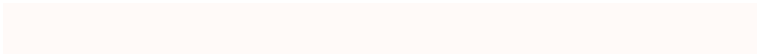
92.2340, 98.7471, 99.7868



91.1160, 98.7471, 112.2596



95.4972, 98.7471, 115.6402



96.6507, 98.7471, 102.9134

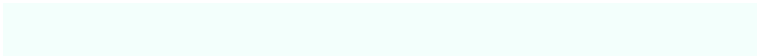


# Rectangle

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



92.2340, 98.7471, 99.7868



90.7231, 98.7471, 106.0113



95.4972, 98.7471, 115.6402



97.0605, 98.7471, 109.0406

# Sweetspot

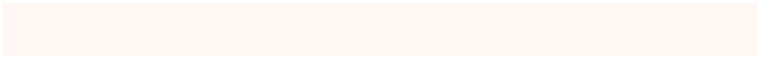
The Sweet Spot groups the original color and five complimentary colors.



92.2348, 98.7475, 99.7883



94.3868, 99.7052, 106.7401



90.8102, 94.2734, 98.9998



20.2097, 21.3441, 22.8695



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.



92.2348, 98.7475, 99.7883



91.7972, 98.5525, 98.3857



90.2950, 97.7475, 99.6975



19.5532, 21.0519, 20.7545



29.3506, 42.8689, 6.7276



2.9627, 4.2281, 0.6600



# Inverse Universe

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



88.7592, 91.6967, 107.6289



87.7867, 90.4165, 107.4330



90.7034, 92.6990, 107.7199



18.5788, 19.0752, 22.9526



10.8551, 4.5065, 49.7323

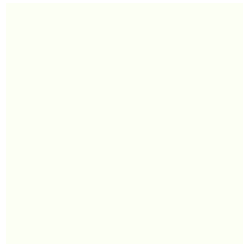


1.1564, 0.4900, 4.8469



# Previews

## White Background



This preview shows how the XYZ color 92.2340, 98.7471, 99.7868 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

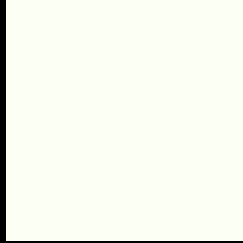
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 92.2340, 98.7471, 99.7868 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

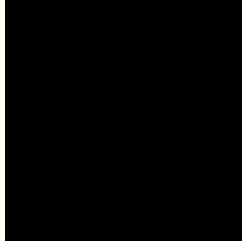
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 92.2340, 98.7471, 99.7868

## Background



This preview shows how black text looks on a background with the XYZ color 92.2340, 98.7471, 99.7868.



This preview shows how white text looks on a background with the XYZ color 92.2340, 98.7471, 99.7868.



# 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

92.2340, 98.7471, 99.7868

### Protanopia

93.7779, 98.4756, 105.3319

### Deuteranopia

94.0949, 98.6024, 107.0013

## **Tritanopia**

94.0483, 98.5414, 108.6713

# Trichromacy

## Original Color

92.2340, 98.7471, 99.7868

## Protanomaly

93.2581, 98.7318, 102.9488

## Deuteranomaly

93.5702, 98.8566, 104.5920

## Tritanomaly

93.3624, 98.7313, 105.4031

# Monochromacy

## Original Color

92.2340, 98.7471, 99.7868

## Achromatopsia

93.3629, 98.2251, 106.9671

## Achromatomaly

93.2051, 98.6684, 104.5749

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 92.2340, 98.7471, 99.7868 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(252, 255, 244) looks like.

```
.text, #text, p{  
    color:rgb(252, 255, 244)  
}
```

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(252, 255, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 255, 244) }
```

## Border

The CSS property to change the border of an element to XYZ 92.2340, 98.7471, 99.7868 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(252, 255, 244) }
```



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

```
.border{ border-color:rgb(252, 255, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 255, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 255, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 255, 244);  
box-shadow:4px 4px 4px 4px rgb(252, 255,  
244) }
```

# Background

The CSS property to change the background color of an element to XYZ 92.2340, 98.7471, 99.7868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 255, 244) }
```

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

```
.background{ background-color: rgb(252,  
255, 244) }
```

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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