

# Converting Colors

XYZ(93.6191, 99.3756,  
108.0619)

Have a look what the booklet for  
XYZ(93.6191, 99.3756, 108.0619)  
contains.

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# **Color**

**XYZ(93.4331, 99.1850,  
107.9861)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBFFFE
RGB	251, 255, 254
RGB Percent	98%, 100%, 100%
CMY	0.0157, 0.0000, 0.0039
CMYK	0.02, 0.00, 0.00, 0.00
HSL	165°, 100%, 99%
HSV	165°, 2%, 100%
XYZ	93.4331, 99.1850, 107.9861
YIQ	253.6900, -2.0630, -1.1590

# Conversions

## Conversions Part 2

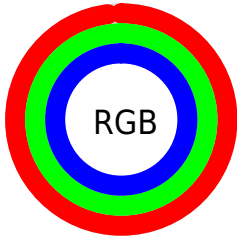
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	251, 253, 255
Decimal	16515070
CIE Lab	99.68, -1.48, 0.01
CIE LCh	100, 1.484, 179.774
Yxy	99.1850, 0.3108, 0.3300
Android (android.graphics.Color)	4294705150 (0xFFFBFFFE)
YUV	253.6900, 0.1528, -2.3591
Hunter-Lab	99.5917, -6.8235, 5.4267

# Details

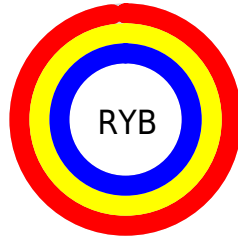
The XYZ color 93.4331, 99.1850, 107.9861 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 93.3085, 97.2838, 105.9553, and the grayscale version is 93.9436, 98.8360, 107.6324.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 52.7778, 56.0215, 60.8549 is the 20% darker color. If you saturate the color by 10%, you get 83.8548, 94.3630, 102.3047, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

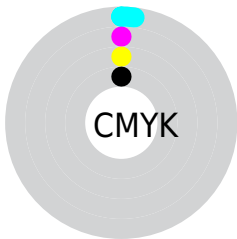
# Distribution



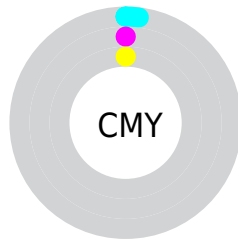
- Red (98%)
- Green (100%)
- Blue (100%)



- Red (98%)
- Yellow (99%)
- Blue (100%)



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 93.4331, 99.1850, 107.9861 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 93.4331, 99.1850, 107.9861 by changing the saturation by 10% instead.



93.4331, 99.1850,  
107.9861

93.4331, 99.1850,  
107.9861

527.2094,  
557.4778, 606.9685

71.1771, 75.6230,  
82.3326

150.9524,  
160.0339, 174.2366

52.7698, 56.1234,  
61.1024

186.9464,  
198.0896, 215.6708

37.8458, 40.3019,  
43.8767

228.2505,  
241.7453, 263.2023

26.0397, 27.7740,  
30.2371

275.2300,  
291.3854, 317.2497

16.9862, 18.1554,  
19.7650

328.2503,  
347.3943, 378.2314

10.3199, 11.0616,  
12.0420

387.6767,

5.6754, 6.1083,

410.1564, 446.5661

6.6494

453.8746,  
480.0561, 522.6723

■ 2.6875, 2.9110,  
3.1687

■ 0.9908, 1.0855,  
1.1814

■ 93.4331, 99.1850,  
107.9861

■ 93.4331, 99.1850,  
107.9861

■ 83.8548, 94.3630,  
102.3047

■ 95.0500, 100.0000,  
108.9000

■ 75.4973, 90.1666,  
96.8543

■ 68.3088, 86.5689,  
91.6322

■ 62.2328, 83.5410,  
86.6341

■ 57.2078, 81.0510,  
81.8551

■ 53.1663, 79.0644,  
77.2905

■ 50.0327, 77.5421,  
72.9349

■ 47.7201, 76.4395,  
68.7822

■ 46.1240, 75.7026,  
64.8258

# Harmonies

## Analogous

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

93.5469, 99.1850, 106.7865

93.4331, 99.1850, 107.9861

93.5436, 99.1850, 109.1972

# Triad

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

93.4331, 99.1850, 107.9861

94.6910, 99.1850, 110.1017

94.6968, 99.1850, 105.9259

# Complementary

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



93.4331, 99.1850, 107.9861



93.3085, 97.2838, 105.9553

# 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.

95.0049, 99.1850, 106.8029

93.4331, 99.1850, 107.9861

95.0016, 99.1850, 109.2138

# Square

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



93.4331, 99.1850, 107.9861



94.2690, 99.1850, 110.4244



95.1166, 99.1850, 108.0051



94.2757, 99.1850, 105.6027




# Rectangle

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




93.4331, 99.1850, 107.9861



93.7298, 99.1850, 109.8467



95.1166, 99.1850, 108.0051



94.8170, 99.1850, 106.1654

# Sweetspot

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



93.4340, 99.1854, 107.9876

95.0500, 100.0000, 108.9000



93.3183, 99.1809, 105.4937



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

# Same Dimension

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



93.4340, 99.1854, 107.9876



92.9942, 98.9638, 107.7372



93.2763, 98.6135, 108.7259



19.9261, 21.1932, 23.0725



23.6813, 39.3691, 32.5367



2.3494, 3.8507, 3.3978

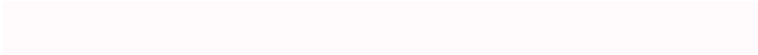


# Inverse Universe

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



93.3085, 97.2838, 105.9553



92.8345, 96.5451, 105.1523



93.4637, 97.8468, 105.2286



19.8936, 20.7008, 22.5463



22.0771, 11.3201, 3.7907



2.1910, 1.1188, 0.5874



# Previews

## White Background



The preview shows how the #12c012 color (#3.4.3) with a luminance of 49.185% (107.950) looks on a white background.

## Color Contrast Check

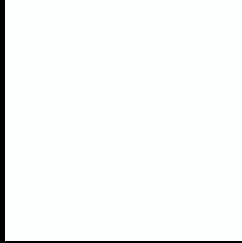
Large Text (above 18pt) WCAG AA × Fail

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 93.4331, 99.1850, 107.9861 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

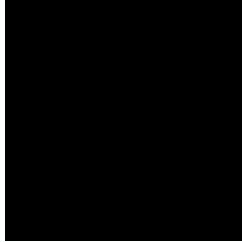
Any Text WCAG AAA ✓ Pass

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



# XYZ 93.4331, 99.1850, 107.9861

## Background



This preview shows how black text looks on a background with the XYZ color 93.4331, 99.1850, 107.9861.



# 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

93.4331, 99.1850, 107.9861

### Protanopia

94.5712, 99.2994, 107.9482

### Deuteranopia

94.5712, 99.2994, 107.9482

# Tritanopia

94.3649, 99.1745, 108.7768

# Trichromacy

## Original Color

93.4331, 99.1850, 107.9861

## Protanomaly

94.2043, 99.1102, 107.9310

## Deuteranomaly

94.2043, 99.1102, 107.9310

## Tritanomaly

93.9998, 98.9863, 108.7597

# Monochromacy

## Original Color

93.4331, 99.1850, 107.9861

## Achromatopsia

94.2043, 99.1102, 107.9310

## Achromatomaly

93.8392, 98.9220, 107.9139

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 93.4331, 99.1850, 107.9861 is called "color". The color property can be set on classes, ids or directly on the HTML element.

The following shows how to set the color of the text to XYZ 93.4331, 99.1850, 107.9861.

```
.text, #text, p{  
    color:rgb(251, 255, 254)  
}
```

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, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 255, 254) }
```

## Border

The CSS property to change the border of an element to XYZ 93.4331, 99.1850, 107.9861 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, 254) }
```

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

```
.border{ border-color:rgb(251, 255, 254) }
```

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, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 255, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 255, 254);  
box-shadow:4px 4px 4px 4px rgb(251, 255,  
254) }
```



# Background

The CSS property to change the background color of an element to XYZ 93.4331, 99.1850, 107.9861 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, 254) }
```

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

```
.background{ background-color: rgb(251,  
255, 254) }
```

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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