

# Converting Colors

XYZ(93.7002, 99.5926,  
106.7632)

Have a look what the booklet for  
XYZ(93.7002, 99.5926, 106.7632)  
contains.

<b>XYZ(93.4756, 99.2437, 106.3247)</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> .....	23
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**XYZ(93.4756, 99.2437,  
106.3247)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCFFFC
RGB	252, 255, 252
RGB Percent	99%, 100%, 99%
CMY	0.0118, 0.0000, 0.0118
CMYK	0.01, 0.00, 0.01, 0.00
HSL	120°, 100%, 99%
HSV	120°, 1%, 100%
XYZ	93.4756, 99.2437, 106.3247
YIQ	253.7610, -0.8250, -1.5690

# Conversions

## Conversions Part 2

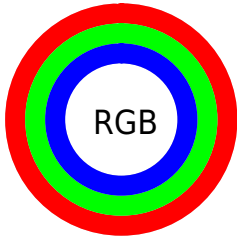
Format	Color
R <sub>Y</sub> B	252, 255, 255
Decimal	16580604
CIE Lab	99.71, -1.51, 1.07
CIE LCh	100, 1.850, 144.542
Yxy	99.2437, 0.3126, 0.3319
Android (android.graphics.Color)	4294770684 (0xFFFCFFFC)
YUV	253.7610, -0.8682, -1.5444
Hunter-Lab	99.6211, -6.8485, 6.4551

# Details

The XYZ color 93.4756, 99.2437, 106.3247 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 94.1009, 98.1019, 108.5837, and the grayscale version is 94.0110, 98.9069, 107.7096.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 52.5501, 55.9304, 59.6557 is the 20% darker color. If you saturate the color by 10%, you get 81.0782, 93.2886, 86.0463, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

# Distribution



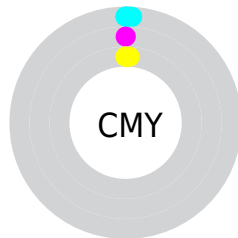
- Red (99%)
- Green (100%)
- Blue (99%)



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



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 93.4756, 99.2437, 106.3247 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 93.4756, 99.2437, 106.3247 by changing the saturation by 10% instead.



93.4756, 99.2437,  
106.3247

93.4756, 99.2437,  
106.3247

527.3441,  
557.6634, 601.7045

71.2126, 75.6720,  
80.9467

151.0109,  
160.1147, 171.9494

52.7989, 56.1636,  
59.9670

187.0139,  
198.1827, 213.0332

37.8691, 40.3341,  
42.9669

228.3276,  
241.8516, 260.1893

26.0578, 27.7991,  
29.5279

275.3173,  
291.5058, 313.8364

16.9998, 18.1743,  
19.2316

328.3485,  
347.5297, 374.3929

10.3297, 11.0752,  
11.6592

387.7865,

5.6820, 6.1174,

410.3077, 442.2774

6.3924

453.9965,  
480.2241, 517.9084

■ 2.6915, 2.9166,  
3.0125

■ 0.9928, 1.0884,  
1.1010

■ 93.4756, 99.2437,  
106.3247

■ 93.4756, 99.2437,  
106.3247

■ 81.0782, 93.2886,  
86.0463

■ 95.0500, 100.0000,  
108.9000

■ 70.3909, 88.1550,  
68.5651

■ 61.3395, 83.8072,  
53.7598

■ 53.8434, 80.2064,  
41.4984

■ 47.8150, 77.3107,  
31.6379

■ 43.1582, 75.0737,  
24.0208

■ 39.7653, 73.4440,  
18.4712

■ 37.5127, 72.3619,  
14.7866

■ 36.2518, 71.7562,  
12.7244

# Harmonies

## Analogous

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

93.8928, 99.2437, 105.3475

93.4756, 99.2437, 106.3247

93.2869, 99.2437, 107.7738

# Triad

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

93.4756, 99.2437, 106.3247

94.2283, 99.2437, 111.0803

95.2864, 99.2437, 106.8155

# Complementary

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



93.4756, 99.2437, 106.3247



94.1009, 98.1019, 108.5837

# 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.



95.3771, 99.2437, 108.3457



93.4756, 99.2437, 106.3247



94.7649, 99.2437, 110.8177

# Square

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



93.4756, 99.2437, 106.3247



93.7205, 99.2437, 110.5271



95.1859, 99.2437, 109.8131



94.9385, 99.2437, 105.6289



# Rectangle

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



93.4756, 99.2437, 106.3247



93.3156, 99.2437, 108.8162



95.1859, 99.2437, 109.8131



95.3480, 99.2437, 107.3063

# Sweetspot

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



93.4765, 99.2442, 106.3262

95.0500, 100.0000, 108.9000

94.5550, 99.7765, 106.3721



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.



93.4765, 99.2442, 106.3262



93.7102, 99.3564, 106.7084



93.7071, 99.3364, 107.5405



20.0720, 21.2731, 22.8631



18.6854, 37.3708, 6.2285



1.8193, 3.6387, 0.6064



# Inverse Universe

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



94.1009, 98.1019, 108.5837



94.2419, 98.3838, 108.6306



93.8685, 98.0089, 107.3595



20.1802, 21.0752, 23.2543



30.9797, 14.8811, 50.6741



3.0164, 1.4489, 4.9340



# Previews

## White Background



This preview shows how the XYZ color #934756 (49/24/37, 106/32/47) looks on a white background.

## Color Contrast Check

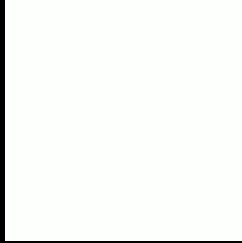
Large Text (above 18pt) WCAG AA × Fail

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 93.4756, 99.2437, 106.3247 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

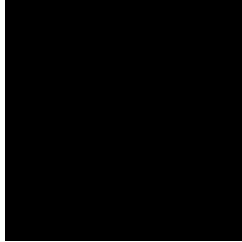
Any Text WCAG AAA ✓ Pass

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



**XYZ 93.4756, 99.2437, 106.3247**

## **Background**



This preview shows how black text looks on a background with the XYZ color 93.4756, 99.2437, 106.3247.



# 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

93.4756, 99.2437, 106.3247

### Protanopia

94.5712, 99.2994, 107.9482

### Deuteranopia

94.5712, 99.2994, 107.9482

# Tritanopia

94.3649, 99.1745, 108.7768

# Trichromacy

## Original Color

93.4756, 99.2437, 106.3247

## Protanomaly

94.0445, 99.0463, 107.0897

## Deuteranomaly

94.0445, 99.0463, 107.0897

## Tritanomaly

93.8392, 98.9220, 107.9139

# Monochromacy

## Original Color

93.4756, 99.2437, 106.3247

## Achromatopsia

94.2043, 99.1102, 107.9310

## Achromatomaly

93.6794, 98.8581, 107.0726

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 93.4756, 99.2437, 106.3247 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text is the color rgb(252, 255, 252)

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

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, 252) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to XYZ 93.4756, 99.2437, 106.3247 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, 252) }
```

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

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

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, 252)` colored shadow looks like.

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



# Background

The CSS property to change the background color of an element to XYZ 93.4756, 99.2437, 106.3247 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, 252) }
```

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

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

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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