

# Converting Colors

XYZ(97.3474, 105.1015,  
115.2163)

Have a look what the booklet for  
XYZ(97.3474, 105.1015, 115.2163)  
contains.

<b>XYZ(93.5937, 99.2492, 108.8318)</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(93.5937, 99.2492,  
108.8318)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBFFFF
RGB	251, 255, 255
RGB Percent	98%, 100%, 100%
CMY	0.0157, 0.0000, 0.0000
CMYK	0.02, 0.00, 0.00, 0.00
HSL	180°, 100%, 99%
HSV	180°, 2%, 100%
XYZ	93.5937, 99.2492, 108.8318
YIQ	253.8040, -2.3840, -0.8480

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	251, 253, 255
Decimal	16515071
CIE <sub>Lab</sub>	99.71, -1.31, -0.47
CIE <sub>LCh</sub>	100, 1.389, 199.796
Y <sub>xy</sub>	99.2492, 0.3102, 0.3290
Android (android.graphics.Color)	4294705151 (0xFFFBFFFF)
Y <sub>UV</sub>	253.8040, 0.5896, -2.4591
Hunter-Lab	99.6239, -6.6463, 4.9667

# Details

The XYZ color 93.5937, 99.2492, 108.8318 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 93.1507, 97.2207, 105.1243, and the grayscale version is 94.0361, 98.9333, 107.7384.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 52.8928, 56.0675, 61.4604 is the 20% darker color. If you saturate the color by 10%, you get 85.0181, 94.8283, 108.4305, 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 93.5937, 99.2492, 108.8318 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 93.5937, 99.2492, 108.8318 by changing the saturation by 10% instead.



93.5937, 99.2492,  
108.8318

93.5937, 99.2492,  
108.8318

527.7183,  
557.6808, 609.6390

71.3111, 75.6766,  
83.0386

151.1735,  
160.1222, 175.3996

52.8796, 56.1673,  
61.6812

187.2014,  
198.1914, 217.0113

37.9337, 40.3371,  
44.3410

228.5418,  
241.8616, 264.7330

26.1082, 27.8015,  
30.5996

275.5600,  
291.5171, 318.9831

17.0377, 18.1761,  
20.0382

328.6214,  
347.5424, 380.1802

10.3569, 11.0765,  
12.2385

388.0913,

5.7003, 6.1183,

410.3218, 448.7429

6.7818

454.3352,  
480.2398, 525.0896

■ 2.7026, 2.9171,  
3.2496

■ 0.9985, 1.0886,  
1.2235

■ 93.5937, 99.2492,  
108.8318

■ 93.5937, 99.2492,  
108.8318

■ 85.0181, 94.8283,  
108.4305

■ 95.0500, 100.0000,  
108.9000

■ 77.6299, 91.0196,  
108.0848

■ 71.3776, 87.7964,  
107.7922

■ 66.2048, 85.1297,  
107.5501

■ 62.0504, 82.9881,  
107.3556

■ 58.8472, 81.3368,  
107.2057

■ 56.5201, 80.1371,  
107.0968

■ 54.9824, 79.3444,  
107.0249

■ 54.1300, 78.9050,  
106.9850

# Harmonies

## Analogous

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

93.5598, 99.2492, 107.6661

93.5937, 99.2492, 108.8318

93.8255, 99.2492, 109.7987

# Triad

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

93.5937, 99.2492, 108.8318

94.9367, 99.2492, 109.5292

94.4731, 99.2492, 105.8590

# Complementary

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



93.5937, 99.2492, 108.8318



93.1507, 97.2207, 105.1243

# 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.

94.8431, 99.2492, 106.3506

93.5937, 99.2492, 108.8318

95.1113, 99.2492, 108.4659

# Square

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



93.5937, 99.2492, 108.8318



94.6006, 99.2492, 110.2034



95.0770, 99.2492, 107.3028



94.0667, 99.2492, 105.9554



# Rectangle

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

93.5937, 99.2492, 108.8318

94.0614, 99.2492, 110.1978

95.0770, 99.2492, 107.3028

94.6059, 99.2492, 105.9609

# Sweetspot

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



93.5944, 99.2496, 108.8319

95.0500, 100.0000, 108.9000



92.9573, 98.9948, 105.4769



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.



93.5944, 99.2496, 108.8319



93.1985, 99.0455, 108.8134



92.9600, 97.9808, 108.6204



19.9677, 21.2098, 23.2914



28.1169, 41.1433, 55.8941



2.7376, 4.0060, 5.4422



# Inverse Universe

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



93.7878, 97.4756, 108.4793



93.4445, 96.7891, 108.3648



93.7785, 98.4763, 105.3336



20.0178, 20.7505, 23.2001



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340



# Previews

## 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 93.5937, 99.2492, 108.8318 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 93.5937, 99.2492, 108.8318

## Background



This preview shows how black text looks on a background with the XYZ color 93.5937, 99.2492, 108.8318.



# 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

93.5937, 99.2492, 108.8318

### Protanopia

94.5712, 99.2994, 107.9482

### Deuteranopia

94.5712, 99.2994, 107.9482

# Tritanopia

94.3649, 99.1745, 108.7768

# Trichromacy

## Original Color

93.5937, 99.2492, 108.8318

## Protanomaly

94.2043, 99.1102, 107.9310

## Deuteranomaly

94.2043, 99.1102, 107.9310

## Tritanomaly

93.9998, 98.9863, 108.7597

# Monochromacy

## Original Color

93.5937, 99.2492, 108.8318

## 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 93.5937, 99.2492, 108.8318 is called "color". The color property can be set on classes, ids or directly on the HTML element.

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

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, 255) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to XYZ 93.5937, 99.2492, 108.8318 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, 255) }
```

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

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

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, 255)` colored shadow looks like.

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



# Background

The CSS property to change the background color of an element to XYZ 93.5937, 99.2492, 108.8318 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, 255) }
```

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

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

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor