

# Converting Colors

XYZ(99.6490, 107.1910,  
119.8474)

Have a look what the booklet for  
XYZ(99.6490, 107.1910, 119.8474)  
contains.

<b>XYZ(94.3180, 99.6226, 108.8657)</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(94.3180, 99.6226,  
108.8657)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FDFFFF
RGB	253, 255, 255
RGB Percent	99%, 100%, 100%
CMY	0.0078, 0.0000, 0.0000
CMYK	0.01, 0.00, 0.00, 0.00
HSL	180°, 100%, 100%
HSV	180°, 1%, 100%
XYZ	94.3180, 99.6226, 108.8657
YIQ	254.4020, -1.1920, -0.4240

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	253, 254, 255
Decimal	16646143
CIE <sub>Lab</sub>	99.85, -0.65, -0.24
CIE <sub>LCh</sub>	100, 0.695, 200.317
Yxy	99.6226, 0.3115, 0.3290
Android (android.graphics.Color)	4294836223 (0xFFFFDFFF)
YUV	254.4020, 0.2948, -1.2296
Hunter-Lab	99.8111, -5.9932, 5.1992

# Details

The XYZ color 94.3180, 99.6226, 108.8657 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 94.0957, 98.6036, 107.0030, and the grayscale version is 94.5425, 99.4660, 108.3185.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 53.1521, 56.2011, 61.4726 is the 20% darker color. If you saturate the color by 10%, you get 85.6471, 95.1526, 108.4599, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

# Distribution



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



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



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 94.3180, 99.6226, 108.8657 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 94.3180, 99.6226, 108.8657 by changing the saturation by 10% instead.




94.3180, 99.6226,  
108.8657

94.3180, 99.6226,  
108.8657


530.0102,  
558.8603, 609.7459

 71.9155, 75.9883,  
83.0669


152.1702,  
160.6358, 175.4462

 53.3748, 56.4229,  
61.7044

188.3506,  
198.7834, 217.0650

 38.3308, 40.5421,  
44.3597


229.8543,  
242.5375, 264.7943

 26.4179, 27.9614,  
30.6141

277.0467,  
292.2826, 319.0525

 17.2708, 18.2966,  
20.0492

330.2931,  
348.4031, 380.2582

 10.5243, 11.1631,  
12.2464

389.9589,

 5.8129, 6.1767,

411.2832, 448.8300

6.7871

456.4095,  
481.3075, 525.1864

■ 2.7712, 2.9528,  
3.2529

■ 1.0339, 1.1071,  
1.2252

94.3180, 99.6226,  
108.8657

94.3180, 99.6226,  
108.8657

■ 85.6471, 95.1526,  
108.4599

95.0500, 100.0000,  
108.9000

■ 78.1676, 91.2968,  
108.1099

■ 71.8282, 88.0287,  
107.8132

■ 66.5728, 85.3195,  
107.5673

■ 62.3409, 83.1378,  
107.3692

■ 59.0657, 81.4494,  
107.2160

■ 56.6728, 80.2158,  
107.1040

■ 55.0767, 79.3930,  
107.0293

■ 54.1750, 78.9281,  
106.9871

# Harmonies

## Analogous

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

94.2991, 99.6226, 108.2817

94.3180, 99.6226, 108.8657

94.4361, 99.6226, 109.3458

# Triad

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

94.3180, 99.6226, 108.8657

94.9929, 99.6226, 109.1967

94.7548, 99.6226, 107.3597

# Complementary

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

94.3180, 99.6226, 108.8657

94.0957, 98.6036, 107.0030

# 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.

94.9410, 99.6226, 107.6030

94.3180, 99.6226, 108.8657

95.0786, 99.6226, 108.6626

# Square

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

94.3180, 99.6226, 108.8657

94.8256, 99.6226, 109.5374

95.0596, 99.6226, 108.0794

94.5511, 99.6226, 107.4137



# Rectangle

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

94.3180, 99.6226, 108.8657

94.5552, 99.6226, 109.5417

95.0596, 99.6226, 108.0794

94.8215, 99.6226, 107.4094

# Sweetspot

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

94.3187, 99.6230, 108.8658

95.0500, 100.0000, 108.9000

93.9986, 99.4949, 107.1802



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.

94.3187, 99.6230, 108.8658

94.1181, 99.5196, 108.8564

94.0007, 98.9872, 108.7598



20.1550, 21.3063, 23.3002



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.



94.4158, 98.7317, 108.6886



94.2419, 98.3838, 108.6306



94.4120, 99.2361, 107.1084



20.1802, 21.0752, 23.2543



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 94.3180, 99.6226, 108.8657 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 94.3180, 99.6226, 108.8657

## Background



This preview shows how black text looks on a background with the XYZ color 94.3180, 99.6226, 108.8657.



# 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

94.3180, 99.6226, 108.8657

### Protanopia

94.7318, 99.3636, 108.7939

### Deuteranopia

94.7318, 99.3636, 108.7939

## Tritanopia

95.0500, 100.0000, 108.9000

# Trichromacy

## Original Color

94.3180, 99.6226, 108.8657

## Protanomaly

94.3649, 99.1745, 108.7768

## Deuteranomaly

94.3649, 99.1745, 108.7768

## Tritanomaly

94.6831, 99.8108, 108.8828

# Monochromacy

## Original Color

94.3180, 99.6226, 108.8657

## Achromatopsia

94.2043, 99.1102, 107.9310

## Achromatomaly

94.2043, 99.1102, 107.9310

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 94.3180, 99.6226, 108.8657 is called "color". The color property can be set on classes, ids or directly on the HTML element.

```
.text, #text, p{  
    color:rgb(253, 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(253, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 255, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 94.3180, 99.6226, 108.8657 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(253, 255, 255) }
```

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

```
.border{ border-color:rgb(253, 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(253, 255, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(253, 255,  
255) }
```



# Background

The CSS property to change the background color of an element to XYZ 94.3180, 99.6226, 108.8657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 255, 255) }
```

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

```
.background{ background-color: rgb(253,  
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