

# Converting Colors

XYZ(97.6522, 100.0000,  
117.7980)

Have a look what the booklet for  
XYZ(97.6522, 100.0000, 117.7980)  
contains.

<b>XYZ(94.4153, 98.7306, 108.6884)</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(94.4153, 98.7306,  
108.6884)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFDFF
RGB	255, 253, 255
RGB Percent	100%, 99%, 100%
CMY	0.0000, 0.0078, 0.0000
CMYK	0.00, 0.01, 0.00, 0.00
HSL	300°, 100%, 100%
HSV	300°, 1%, 100%
XYZ	94.4153, 98.7306, 108.6884
YIQ	253.8260, 0.5500, 1.0460

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 253, 255
Decimal	16776703
CIE Lab	99.51, 1.01, -0.73
CIE LCh	100, 1.250, 324.239
Yxy	98.7306, 0.3128, 0.3271
Android (android.graphics.Color)	4294966783 (0xFFFFDFF)
YUV	253.8260, 0.5788, 1.0296
Hunter-Lab	99.3633, -4.2745, 4.7000

# Details

The XYZ color 94.4153, 98.7306, 108.6884 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 94.0008, 99.4960, 107.1839, and the grayscale version is 94.0555, 98.9537, 107.7606.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 53.2217, 55.5628, 61.3457 is the 20% darker color. If you saturate the color by 10%, you get 86.8977, 83.6954, 106.1826, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

# Distribution



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



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



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 94.4153, 98.7306, 108.6884 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 94.4153, 98.7306, 108.6884 by changing the saturation by 10% instead.




94.4153, 98.7306,  
108.6884

94.4153, 98.7306,  
108.6884


530.3177,  
556.0404, 609.1866

 71.9967, 75.2438,  
82.9189


152.3040,  
159.4087, 175.2025

 53.4414, 55.8127,  
61.5830


188.5049,  
197.3687, 216.7841

 38.3842, 40.0527,  
44.2622


230.0305,  
240.9220, 264.4736

 26.4595, 27.5797,  
30.5380

277.2462,  
290.4529, 318.6893

 17.3022, 18.0090,  
19.9918

330.5175,  
346.3458, 379.8500

 10.5468, 10.9565,  
12.2051

390.2096,

 5.8280, 6.0376,

408.9851, 448.3741

6.7593

456.6878,  
478.7551, 524.6801

■ 2.7805, 2.8679,  
3.2359

■ 1.0388, 1.0632,  
1.2163

94.4153, 98.7306,  
108.6884

94.4153, 98.7306,  
108.6884

■ 86.8977, 83.6954,  
106.1826

95.0500, 100.0000,  
108.9000

■ 80.4120, 70.7239,  
104.0207

■ 74.9148, 59.7295,  
102.1883

■ 70.3576, 50.6152,  
100.6692

■ 66.6879, 43.2757,  
99.4460

■ 63.8478, 37.5955,  
98.4993

■ 61.7727, 33.4454,  
97.8076

■ 60.3886, 30.6771,  
97.3462

■ 59.6065, 29.1131,  
97.0855

# Harmonies

## Analogous

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

94.1310, 98.7306, 109.3576

94.4153, 98.7306, 108.6884

94.5456, 98.7306, 107.7042

# Triad

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

94.4153, 98.7306, 108.6884

93.9115, 98.7306, 105.4990

93.1973, 98.7306, 108.3342

# Complementary

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

94.4153, 98.7306, 108.6884

94.0008, 99.4960, 107.1839

# 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.

93.1389, 98.7306, 107.2977

94.4153, 98.7306, 108.6884

93.5505, 98.7306, 105.6652

# Square

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

94.4153, 98.7306, 108.6884

94.2542, 98.7306, 105.8663

93.2680, 98.7306, 106.3220

93.4279, 98.7306, 109.1521



# Rectangle

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

94.4153, 98.7306, 108.6884

94.5274, 98.7306, 107.0036

93.2680, 98.7306, 106.3220

93.1569, 98.7306, 107.9996

# Sweetspot

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



94.4172, 98.7344, 108.6891



95.0500, 100.0000, 108.9000



93.6874, 98.3582, 108.6549



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.



94.4172, 98.7344, 108.6891



94.2419, 98.3838, 108.6306



94.2571, 98.6704, 107.8459



20.1802, 21.0752, 23.2543



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340



# Inverse Universe

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



94.4172, 98.7344, 108.6891



94.2419, 98.3838, 108.6306



94.1601, 99.5597, 108.0227



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 94.4153, 98.7306, 108.6884 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 94.4153, 98.7306, 108.6884

## Background



This preview shows how black text looks on a background with the XYZ color 94.4153, 98.7306, 108.6884.



# 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

94.4153, 98.7306, 108.6884

### Protanopia

94.2547, 98.6663, 107.8427

### Deuteranopia

94.2547, 98.6663, 107.8427

## **Tritanopia**

94.0483, 98.5414, 108.6713

# Trichromacy

## Original Color

94.4153, 98.7306, 108.6884

## Protanomaly

94.2547, 98.6663, 107.8427

## Deuteranomaly

94.2547, 98.6663, 107.8427

## Tritanomaly

94.0483, 98.5414, 108.6713

# Monochromacy

## Original Color

94.4153, 98.7306, 108.6884

## 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 94.4153, 98.7306, 108.6884 is called "color". The color property can be set on classes, ids or directly on the HTML element.

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

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

## Border

The CSS property to change the border of an element to XYZ 94.4153, 98.7306, 108.6884 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(255, 253, 255) }
```

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

```
.border{ border-color:rgb(255, 253, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 253, 255)` colored shadow looks like.

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



# Background

The CSS property to change the background color of an element to XYZ 94.4153, 98.7306, 108.6884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(255,  
253, 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