

# Converting Colors

XYZ(123.9976, 112.0767,  
156.6657)

Have a look what the booklet for  
XYZ(123.9976, 112.0767, 156.6657)  
contains.

<b>XYZ(93.7872, 97.4744, 108.4791)</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(93.7872, 97.4744,  
108.4791)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFBFF
RGB	255, 251, 255
RGB Percent	100%, 98%, 100%
CMY	0.0000, 0.0157, 0.0000
CMYK	0.00, 0.02, 0.00, 0.00
HSL	300°, 100%, 99%
HSV	300°, 2%, 100%
XYZ	93.7872, 97.4744, 108.4791
YIQ	252.6520, 1.1000, 2.0920

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 251, 255
Decimal	16776191
CIE <sub>Lab</sub>	99.02, 2.03, -1.45
CIE <sub>LCh</sub>	99, 2.492, 324.404
Yxy	97.4744, 0.3129, 0.3252
Android (android.graphics.Color)	4294966271 (0xFFFFBFF)
YUV	252.6520, 1.1576, 2.0592
Hunter-Lab	98.7291, -3.2109, 3.9652

# Details

The XYZ color 93.7872, 97.4744, 108.4791 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 92.9594, 98.9958, 105.4804, and the grayscale version is 93.0641, 97.9107, 106.6248.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 52.9969, 55.1132, 61.2708 is the 20% darker color. If you saturate the color by 10%, you get 86.3522, 82.6045, 106.0007, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

# Distribution



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



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



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 93.7872, 97.4744, 108.4791 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 93.7872, 97.4744, 108.4791 by changing the saturation by 10% instead.



93.7872, 97.4744,  
108.4791

93.7872, 97.4744,  
108.4791

528.3311,  
552.0565, 608.5260

71.4725, 74.1961,  
82.7442

151.4398,  
157.6787, 174.9147

53.0118, 54.9546,  
61.4397

187.5085,  
195.3735, 216.4524

38.0397, 39.3654,  
44.1473

228.8926,  
238.6426, 264.0949

26.1909, 27.0441,  
30.4483

275.9574,  
287.8704, 318.2605

17.0999, 17.6063,  
19.9242

329.0683,  
343.4413, 379.3679

10.4015, 10.6677,  
12.1564

388.5906,

5.7303, 5.8439,

405.7397, 447.8356

6.7264

454.8898,  
475.1500, 524.0821

■ 2.7209, 2.7504,  
3.2158

■ 1.0079, 1.0028,  
1.2058

■ 93.7872, 97.4744,  
108.4791

■ 93.7872, 97.4744,  
108.4791

■ 86.3522, 82.6045,  
106.0007

95.0500, 100.0000,  
108.9000

■ 79.9457, 69.7914,  
103.8652

■ 74.5240, 58.9480,  
102.0580

■ 70.0384, 49.9768,  
100.5628

■ 66.4359, 42.7718,  
99.3620

■ 63.6583, 37.2165,  
98.4361

■ 61.6402, 33.1804,  
97.7634

■ 60.3068, 30.5135,  
97.3189

■ 59.5676, 29.0351,  
97.0725

# Harmonies

## Analogous

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

93.2249, 97.4744, 109.8186

93.7872, 97.4744, 108.4791

94.0439, 97.4744, 106.5237

# Triad

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



93.7872, 97.4744, 108.4791



92.7828, 97.4744, 102.2005



91.3800, 97.4744, 107.7948

# Complementary

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



93.7872, 97.4744, 108.4791



92.9594, 98.9958, 105.4804

# Split Complementary

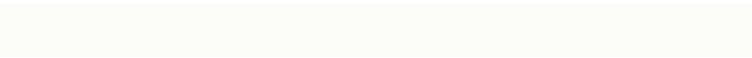
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.2630, 97.4744, 105.7434



93.7872, 97.4744, 108.4791



92.0704, 97.4744, 102.5309

# Square

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



93.7872, 97.4744, 108.4791



93.4621, 97.4744, 102.9126



91.5151, 97.4744, 103.8211



91.8357, 97.4744, 109.4200



# Rectangle

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



93.7872, 97.4744, 108.4791



94.0063, 97.4744, 105.1408



91.5151, 97.4744, 103.8211



91.2999, 97.4744, 107.1315

# Sweetspot

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



93.7891, 97.4782, 108.4797

95.0500, 100.0000, 108.9000



92.3349, 96.7285, 108.4116



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.



93.7891, 97.4782, 108.4797



93.4445, 96.7891, 108.3648



93.4692, 97.3502, 106.7952



20.0178, 20.7505, 23.2001



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.



93.7891, 97.4782, 108.4797



93.4445, 96.7891, 108.3648



93.2760, 99.1224, 107.1474



20.0178, 20.7505, 23.2001



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340



# Previews

## White Background



This preview shows how the XYZ color 93.78/2.97/47.44, 108.17/91 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 93.7872, 97.4744, 108.4791 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 93.7872, 97.4744, 108.4791

## Background



This preview shows how black text looks on a background with the XYZ color 93.7872, 97.4744, 108.4791.



# 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

93.7872, 97.4744, 108.4791

### Protanopia

93.6266, 97.4101, 107.6333

### Deuteranopia

93.4668, 97.3462, 106.7920

## **Tritanopia**

93.3684, 97.7235, 108.5492

# Trichromacy

## Original Color

93.7872, 97.4744, 108.4791

## Protanomaly

93.6266, 97.4101, 107.6333

## Deuteranomaly

93.6266, 97.4101, 107.6333

## Tritanomaly

93.7335, 97.9116, 108.5663

# Monochromacy

## Original Color

93.7872, 97.4744, 108.4791

## Achromatopsia

93.3629, 98.2251, 106.9671

## Achromatomaly

93.5728, 97.8474, 107.7205

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 93.7872, 97.4744, 108.4791 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(255, 251, 255) looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 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, 251, 255) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to XYZ 93.7872, 97.4744, 108.4791 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, 251, 255) }
```

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

```
.border{ border-color:rgb(255, 251, 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, 251, 255)` colored shadow looks like.

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



# Background

The CSS property to change the background color of an element to XYZ 93.7872, 97.4744, 108.4791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 251, 255) }
```

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

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