

# Converting Colors

XYZ(97.7976, 99.9887,  
132.5533)

Have a look what the booklet for  
XYZ(97.7976, 99.9887, 132.5533)  
contains.

<b>XYZ(93.3202, 98.1660, 108.6372)</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(93.3202, 98.1660,  
108.6372)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCFDFF
RGB	252, 253, 255
RGB Percent	99%, 99%, 100%
CMY	0.0118, 0.0078, 0.0000
CMYK	0.01, 0.01, 0.00, 0.00
HSL	220°, 100%, 99%
HSV	220°, 1%, 100%
XYZ	93.3202, 98.1660, 108.6372
YIQ	252.9290, -1.2380, 0.4100

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	252, 253, 255
Decimal	16580095
CIE Lab	99.29, 0.03, -1.08
CIE LCh	99, 1.080, 271.541
Yxy	98.1660, 0.3109, 0.3271
Android (android.graphics.Color)	4294770175 (0xFFFCFDFF)
YUV	252.9290, 1.0210, -0.8147
Hunter-Lab	99.0788, -5.2624, 4.3452

# Details

The XYZ color 93.3202, 98.1660, 108.6372 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 94.2515, 99.1694, 106.2710, and the grayscale version is 93.2992, 98.1580, 106.8941.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 52.4386, 55.1592, 61.3091 is the 20% darker color. If you saturate the color by 10%, you get 79.5803, 83.4873, 106.5281, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

# Distribution



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



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



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 93.3202, 98.1660, 108.6372 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 93.3202, 98.1660, 108.6372 by changing the saturation by 10% instead.



93.3202, 98.1660,  
108.6372

93.3202, 98.1660,  
108.6372

526.8515,  
554.2517, 609.0251

71.0830, 74.7728,  
82.8761

150.7969,  
158.6314, 175.1321

52.6927, 55.4268,  
61.5480

186.7671,  
196.4724, 216.7030

37.7840, 39.7435,  
44.2341

228.0457,  
239.8982, 264.3809

25.9915, 27.3386,  
30.5161

274.9980,  
289.2930, 318.5845

16.9500, 17.8277,  
19.9753

327.9894,  
345.0414, 379.7321

10.2939, 10.8264,  
12.1932

387.3852,

5.6580, 5.9502,

407.5277, 448.2424

6.7512

453.5508,  
477.1364, 524.5338

■ 2.6769, 2.8148,  
3.2309

■ 0.9853, 1.0358,  
1.2137

■ 93.3202, 98.1660,  
108.6372

■ 93.3202, 98.1660,  
108.6372

■ 79.5803, 83.4873,  
106.5281

■ 95.0500, 100.0000,  
108.9000

■ 67.4918, 70.3455,  
104.6286

■ 56.9921, 58.6921,  
102.9327

■ 48.0116, 48.4714,  
101.4332

■ 40.4755, 39.6237,  
100.1226

■ 34.3019, 32.0850,  
98.9929

■ 29.4004, 25.7852,  
98.0352

■ 25.6682, 20.6468,  
97.2401

■ 22.9843, 16.5808,  
96.5968

# Harmonies

## Analogous

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

93.0142, 98.1660, 108.4251

93.3202, 98.1660, 108.6372

93.6224, 98.1660, 108.3778

# Triad

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



93.3202, 98.1660, 108.6372



93.8233, 98.1660, 105.9773



92.7700, 98.1660, 106.0580

# Complementary

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

93.3202, 98.1660, 108.6372

94.2515, 99.1694, 106.2710

# 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.



92.9860, 98.1660, 105.4081



93.3202, 98.1660, 108.6372



93.5940, 98.1660, 105.3617

# Square

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



93.3202, 98.1660, 108.6372



93.9133, 98.1660, 106.8392



93.2875, 98.1660, 105.1539



92.6970, 98.1660, 106.9329



# Rectangle

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



93.3202, 98.1660, 108.6372



93.7810, 98.1660, 107.9734




93.2875, 98.1660, 105.1539



92.8283, 98.1660, 105.8061

# Sweetspot

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



93.3227, 98.1701, 108.6378

95.0500, 100.0000, 108.9000



93.7870, 99.3684, 107.9614



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.



93.3227, 98.1701, 108.6378



93.5794, 98.4422, 108.6768




93.1696, 97.6218, 108.5401



20.0453, 21.0871, 23.2637



11.2677, 7.4449, 50.2777



1.1929, 0.9166, 4.9273



# Inverse Universe

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



93.7816, 97.9742, 106.9015



93.9700, 98.2750, 107.1988

94.4057, 99.7232, 106.3698



20.1248, 21.0531, 22.9629



22.4756, 11.4795, 5.8890



2.2368, 1.1371, 0.8282



# Previews

## White Background



This preview shows how the XYZ color 93.3202, 98.2660, 108.6272 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 93.3202, 98.1660, 108.6372 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 93.3202, 98.1660, 108.6372

## Background



This preview shows how black text looks on a background with the XYZ color 93.3202, 98.1660, 108.6372.



# 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

93.3202, 98.1660, 108.6372

### Protanopia

93.9398, 98.0366, 107.7377

### Deuteranopia

93.7800, 97.9727, 106.8964

## **Tritanopia**

93.6833, 98.3532, 108.6542

# Trichromacy

## Original Color

93.3202, 98.1660, 108.6372

## Protanomaly

93.5728, 97.8474, 107.7205

## Deuteranomaly

93.5728, 97.8474, 107.7205

## Tritanomaly

93.6833, 98.3532, 108.6542

# Monochromacy

## Original Color

93.3202, 98.1660, 108.6372

## Achromatopsia

93.3629, 98.2251, 106.9671

## Achromatomaly

93.5227, 98.2890, 107.8084

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 93.3202, 98.1660, 108.6372 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(252, 253, 255) looks like.

```
.text, #text, p{  
    color:rgb(252, 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(252, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 253, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 93.3202, 98.1660, 108.6372 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, 253, 255) }
```

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

```
.border{ border-color:rgb(252, 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(252, 253, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(252, 253,  
255) }
```



# Background

The CSS property to change the background color of an element to XYZ 93.3202, 98.1660, 108.6372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 253, 255) }
```

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

```
.background{ background-color: rgb(252,  
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