

# Converting Colors

XYZ(95.5775, 99.1310,  
119.1389)

Have a look what the booklet for  
XYZ(95.5775, 99.1310, 119.1389)  
contains.

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# **Color**

**XYZ(93.6833, 98.3532,  
108.6542)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<code>FDFFDF</code>
RGB	<code>253, 253, 255</code>
RGB Percent	<code>99%, 99%, 100%</code>
CMY	<code>0.0078, 0.0078, 0.0000</code>
CMYK	<code>0.01, 0.01, 0.00, 0.00</code>
HSL	<code>240°, 100%, 100%</code>
HSV	<code>240°, 1%, 100%</code>
XYZ	<code>93.6833, 98.3532, 108.6542</code>
YIQ	<code>253.2280, -0.6420, 0.6220</code>

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	253, 253, 255
Decimal	16645631
CIE Lab	99.36, 0.36, -0.96
CIE LCh	99, 1.028, 290.330
Yxy	98.3532, 0.3116, 0.3271
Android (android.graphics.Color)	4294835711 (0xFFFFDFDF)
YUV	253.2280, 0.8736, -0.2000
Hunter-Lab	99.1732, -4.9342, 4.4631

# Details

The XYZ color 93.6833, 98.3532, 108.6542 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 94.7285, 99.8692, 107.2139, and the grayscale version is 93.5510, 98.4230, 107.1826.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 52.6979, 55.2928, 61.3212 is the 20% darker color. If you saturate the color by 10%, you get 77.5096, 78.8777, 105.7475, 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 93.6833, 98.3532, 108.6542 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 93.6833, 98.3532, 108.6542 by changing the saturation by 10% instead.



93.6833, 98.3532,  
108.6542

93.6833, 98.3532,  
108.6542

528.0021,  
554.8451, 609.0787

71.3859, 74.9290,  
82.8903

151.2968,  
158.8892, 175.1555

52.9408, 55.5547,  
61.5596

187.3436,  
196.7697, 216.7299

37.9828, 39.8460,  
44.2435

228.7042,  
240.2377, 264.4117

26.1465, 27.4185,  
30.5234

275.7440,  
289.6777, 318.6193

17.0665, 17.8878,  
19.9808

328.8283,  
345.4741, 379.7712

10.3775, 10.8694,  
12.1971

388.3226,

5.7142, 5.9791,

408.0112, 448.2861

6.7539

454.5920,  
477.6734, 524.5824

■ 2.7111, 2.8324,  
3.2326

■ 1.0029, 1.0449,  
1.2146

■ 93.6833, 98.3532,  
108.6542

■ 93.6833, 98.3532,  
108.6542

■ 77.5096, 78.8777,  
105.7475

■ 95.0500, 100.0000,  
108.9000

■ 63.5550, 62.0716,  
103.2391

■ 51.7249, 47.8223,  
101.1122

■ 41.9154, 36.0045,  
99.3481

■ 34.0133, 26.4826,  
97.9267

■ 27.8948, 19.1075,  
96.8256

■ 23.4212, 13.7125,  
96.0201

■ 20.4335, 10.1066,  
95.4815

■ 18.7415, 8.0612,  
95.1759

# Harmonies

## Analogous

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

93.3844, 98.3532, 108.7348

93.6833, 98.3532, 108.6542

93.9287, 98.3532, 108.1532

# Triad

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

93.6833, 98.3532, 108.6542

93.8523, 98.3532, 105.8171

92.9115, 98.3532, 106.8113

# Complementary

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

93.6833, 98.3532, 108.6542

94.7285, 99.8692, 107.2139

# 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.

93.0363, 98.3532, 106.0336

93.6833, 98.3532, 108.6542

93.5792, 98.3532, 105.4617

# Square

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



93.6833, 98.3532, 108.6542



94.0264, 98.3532, 106.5142



93.2805, 98.3532, 105.5407



92.9393, 98.3532, 107.6677



# Rectangle

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



93.6833, 98.3532, 108.6542



94.0287, 98.3532, 107.6497



93.2805, 98.3532, 105.5407



92.9370, 98.3532, 106.5321

# Sweetspot

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



93.6858, 98.3573, 108.6548

95.0500, 100.0000, 108.9000

94.3133, 99.6208, 108.8375



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.



93.6858, 98.3573, 108.6548



93.3117, 97.9068, 108.5876



94.0370, 98.5364, 108.6709



19.9909, 20.9781, 23.2455



9.4359, 3.7814, 49.6671



0.9198, 0.3703, 4.8363



# Inverse Universe

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



94.0964, 98.6039, 107.0065



93.8349, 98.2210, 106.4872

94.3755, 99.6892, 107.1978



20.0973, 21.0421, 22.8181



21.5510, 11.1097, 1.0202



2.0989, 1.0819, 0.1021



# Previews

## White Background



The preview shows how the YIG color #3 633 46 45 32 40 63 42 looks on a white background.

## Color Contrast Check

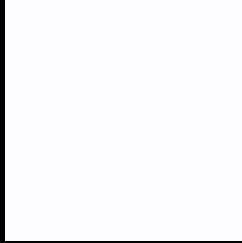
Large Text (above 18pt) WCAG AA × Fail

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 93.6833, 98.3532, 108.6542 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

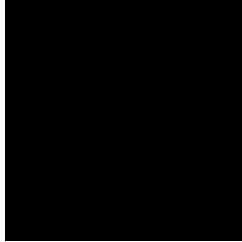
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).



# XYZ 93.6833, 98.3532, 108.6542

## Background



This preview shows how black text looks on a background with the XYZ color 93.6833, 98.3532, 108.6542.



# 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

93.6833, 98.3532, 108.6542

### Protanopia

94.2547, 98.6663, 107.8427

### Deuteranopia

94.0949, 98.6024, 107.0013

## **Tritanopia**

93.6833, 98.3532, 108.6542

# Trichromacy

## Original Color

93.6833, 98.3532, 108.6542

## Protanomaly

93.8877, 98.4771, 107.8255

## Deuteranomaly

93.8877, 98.4771, 107.8255

## Tritanomaly

93.6833, 98.3532, 108.6542

# Monochromacy

## Original Color

93.6833, 98.3532, 108.6542

## 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 93.6833, 98.3532, 108.6542 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text is the color rgb(253, 253, 255)

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

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

## Border

The CSS property to change the border of an element to XYZ 93.6833, 98.3532, 108.6542 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, 253, 255) }
```

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

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

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



# Background

The CSS property to change the background color of an element to XYZ 93.6833, 98.3532, 108.6542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(253,  
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](#).

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