

# Converting Colors

XYZ(93.3072, 98.1192,  
103.3717)

Have a look what the booklet for  
XYZ(93.3072, 98.1192, 103.3717)  
contains.

<b>XYZ(93.4642, 98.3501, 103.6799)</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> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(93.4642, 98.3501,  
103.6799)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFDF9
RGB	255, 253, 249
RGB Percent	100%, 99%, 98%
CMY	0.0000, 0.0078, 0.0235
CMYK	0.00, 0.01, 0.02, 0.00
HSL	40°, 100%, 99%
HSV	40°, 2%, 100%
XYZ	93.4642, 98.3501, 103.6799
YIQ	253.1420, 2.4760, -0.8200

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	252, 255, 249
Decimal	16776697
CIE Lab	99.36, -0.03, 2.13
CIE LCh	99, 2.132, 90.697
Yxy	98.3501, 0.3163, 0.3328
Android (android.graphics.Color)	4294966777 (0xFFFFFDF9)
YUV	253.1420, -2.0420, 1.6295
Hunter-Lab	99.1716, -5.3232, 7.4348

# Details

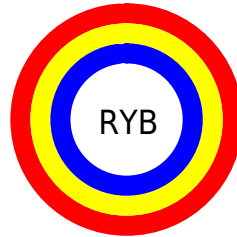
The XYZ color 93.4642, 98.3501, 103.6799 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 91.6134, 96.3518, 108.3769, and the grayscale version is 93.5004, 98.3697, 107.1246.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 52.6543, 55.3359, 58.3578 is the 20% darker color. If you saturate the color by 10%, you get 87.1372, 91.6351, 83.2620, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

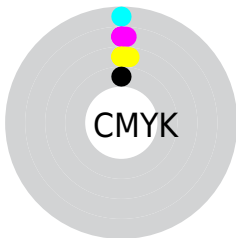
# Distribution



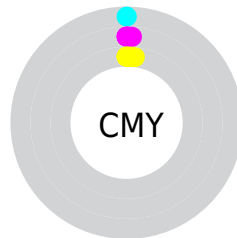
- Red (100%)
- Green (99%)
- Blue (98%)



- Red (99%)
- Yellow (100%)
- Blue (98%)



- Cyan (0%)
- Magenta (1%)
- Yellow (2%)
- Black (0%)



- Cyan (0%)
- Magenta (1%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 93.4642, 98.3501, 103.6799 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 93.4642, 98.3501, 103.6799 by changing the saturation by 10% instead.



93.4642, 98.3501,  
103.6799

93.4642, 98.3501,  
103.6799

527.3080,  
554.8353, 593.2746

71.2031, 74.9264,  
78.7434

150.9952,  
158.8849, 168.3009

52.7911, 55.5526,  
58.1648

186.9958,  
196.7648, 208.8225

37.8628, 39.8443,  
41.5255

228.3069,  
240.2321, 255.3761

26.0530, 27.4172,  
28.4072

275.2939,  
289.6714, 308.3804

16.9962, 17.8868,  
18.3911

328.3222,  
345.4669, 368.2538

10.3270, 10.8687,  
11.0588

387.7570,

5.6803, 5.9786,

408.0032, 435.4150

5.9917

453.9638,  
477.6645, 510.2824

■ 2.6904, 2.8321,  
2.7713

■ 0.9923, 1.0447,  
0.9791

■ 93.4642, 98.3501,  
103.6799

■ 93.4642, 98.3501,  
103.6799

■ 87.1372, 91.6351,  
83.2620

95.0500, 100.0000,  
108.9000

■ 81.4437, 85.3583,  
65.6104

■ 76.3614, 79.5113,  
50.6054

■ 71.8638, 74.0810,  
38.1159

■ 67.9224, 69.0534,  
27.9997

■ 64.5058, 64.4135,  
20.1000

■ 61.5793, 60.1443,  
14.2412

■ 59.1026, 56.2272,  
10.2207

■ 57.0275, 52.6400,  
7.7937

# Harmonies

## Analogous

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



94.0686, 98.3501, 104.1115



93.4642, 98.3501, 103.6799



92.8663, 98.3501, 104.1526

# Triad

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



93.4642, 98.3501, 103.6799



92.4487, 98.3501, 108.8541



94.5313, 98.3501, 108.7808

# Complementary

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



93.4642, 98.3501, 103.6799



91.6134, 96.3518, 108.3769

# 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.



94.0940, 98.3501, 110.0751



93.4642, 98.3501, 103.6799



92.8915, 98.3501, 110.1177

# Square

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



93.4642, 98.3501, 103.6799



92.2816, 98.3501, 107.1284



93.4934, 98.3501, 110.5670



94.6863, 98.3501, 107.0447



# Rectangle

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



93.4642, 98.3501, 103.6799



92.5515, 98.3501, 104.9200



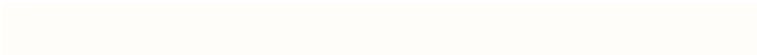
93.4934, 98.3501, 110.5670



94.4124, 98.3501, 109.2827

# Sweetspot

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



93.4663, 98.3540, 103.6820



94.3723, 99.2972, 106.6621



92.5290, 95.9776, 104.9165



20.2067, 21.2611, 22.8537



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

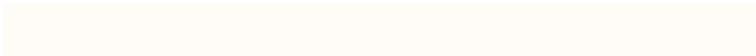


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.4663, 98.3540, 103.6820



93.0367, 97.9052, 102.2732



93.7323, 99.4306, 103.8758



19.8006, 20.8374, 21.5210



29.2254, 26.4620, 3.5673

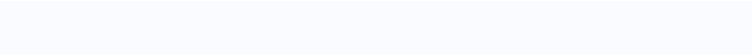


2.9460, 2.7774, 0.3808

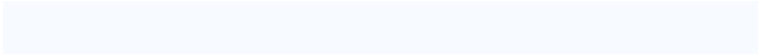


# Inverse Universe

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



91.6134, 96.3518, 108.3769



90.6837, 95.3626, 108.2350



91.3511, 95.2967, 108.1871



19.1659, 20.1514, 23.1294



11.2411, 7.3919, 50.2689



1.1900, 0.9108, 4.9263



# Previews

## White Background



This preview shows how the XYZ color 93.4642, 98.3501, 103.6799 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

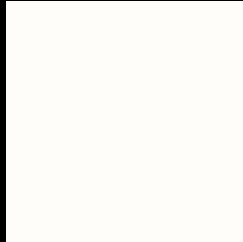
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 93.4642, 98.3501, 103.6799 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

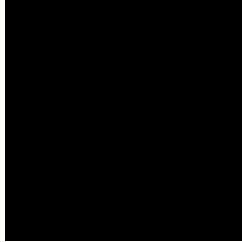
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 93.4642, 98.3501, 103.6799

## Background



This preview shows how black text looks on a background with the XYZ color 93.4642, 98.3501, 103.6799.



This preview shows how white text looks on a background with the XYZ color 93.4642, 98.3501, 103.6799.



# 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

93.4642, 98.3501, 103.6799

### Protanopia

93.9360, 98.5388, 106.1644

### Deuteranopia

94.0949, 98.6024, 107.0013

## **Tritanopia**

94.0483, 98.5414, 108.6713

# Trichromacy

## Original Color

93.4642, 98.3501, 103.6799

## Protanomaly

93.7779, 98.4756, 105.3319

## Deuteranomaly

93.9360, 98.5388, 106.1644

## Tritanomaly

93.7280, 98.4132, 106.9842

# Monochromacy

## Original Color

93.4642, 98.3501, 103.6799

## Achromatopsia

93.3629, 98.2251, 106.9671

## Achromatomaly

93.5690, 98.3497, 106.1472

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 93.4642, 98.3501, 103.6799 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, 253, 249) looks like.

```
.text, #text, p{  
    color:rgb(255, 253, 249)  
}
```

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, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 253, 249) }
```

## Border

The CSS property to change the border of an element to XYZ 93.4642, 98.3501, 103.6799 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, 249) }
```



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

```
.border{ border-color:rgb(255, 253, 249) }
```

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, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 253, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 253, 249);  
box-shadow:4px 4px 4px 4px rgb(255, 253,  
249) }
```

# Background

The CSS property to change the background color of an element to XYZ 93.4642, 98.3501, 103.6799 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, 249) }
```

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

```
.background{ background-color: rgb(255,  
253, 249) }
```

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