

# Converting Colors

XYZ(100.2998, 100.0000,  
147.0585)

Have a look what the booklet for  
XYZ(100.2998, 100.0000, 147.0585)  
contains.

<b>XYZ(93.0552, 97.0970, 108.4448)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	27
<i><b>CSS Examples</b></i> .....	30

# Color

**XYZ(93.0552, 97.0970,  
108.4448)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FDFBFF
RGB	253, 251, 255
RGB Percent	99%, 98%, 100%
CMY	0.0078, 0.0157, 0.0000
CMYK	0.01, 0.02, 0.00, 0.00
HSL	270°, 100%, 99%
HSV	270°, 2%, 100%
XYZ	93.0552, 97.0970, 108.4448
YIQ	252.0540, -0.0920, 1.6680

# Conversions

## Conversions Part 2

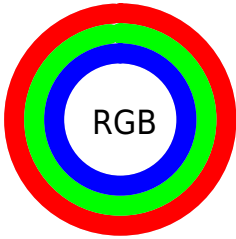
Format	Color
R <sub>Y</sub> B	253, 251, 255
Decimal	16645119
CIE Lab	98.87, 1.37, -1.69
CIE LCh	99, 2.171, 309.072
Yxy	97.0970, 0.3116, 0.3252
Android (android.graphics.Color)	4294835199 (0xFFFFDFBFF)
YUV	252.0540, 1.4524, 0.8296
Hunter-Lab	98.5378, -3.8728, 3.7255

# Details

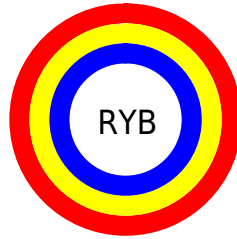
The XYZ color 93.0552, 97.0970, 108.4448 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 93.6831, 99.3688, 105.5142, and the grayscale version is 92.5627, 97.3832, 106.0503.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 52.4731, 54.8432, 61.2462 is the 20% darker color. If you saturate the color by 10%, you get 81.1302, 79.9124, 105.7563, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

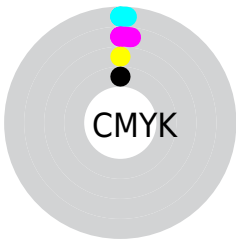
# Distribution



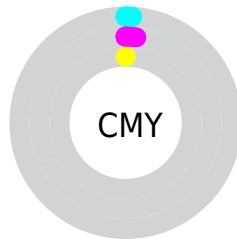
- Red (99%)
- Green (98%)
- Blue (100%)



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



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 93.0552, 97.0970, 108.4448 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 93.0552, 97.0970, 108.4448 by changing the saturation by 10% instead.



93.0552, 97.0970,  
108.4448

93.0552, 97.0970,  
108.4448

526.0109,  
550.8567, 608.4177

70.8620, 73.8815,  
82.7155

150.4320,  
157.1585, 174.8675

52.5117, 54.6971,  
61.4163

186.3462,  
194.7734, 216.3981

37.6390, 39.1593,  
44.1284

227.5648,  
237.9568, 264.0328

25.8786, 26.8836,  
30.4336

274.4531,  
287.0933, 318.1902

16.8650, 17.4858,  
19.9131

327.3766,  
342.5671, 379.2889

10.2330, 10.5815,  
12.1484

386.7004,

5.6172, 5.7862,

404.7627, 447.7473

6.7211

452.7901,  
474.0644, 523.9841

■ 2.6522, 2.7155,  
3.2125

■ 0.9726, 0.9851,  
1.2041

■ 93.0552, 97.0970,  
108.4448

■ 93.0552, 97.0970,  
108.4448

■ 81.1302, 79.9124,  
105.7563

95.0500, 100.0000,  
108.9000

■ 70.5377, 64.9413,  
103.4249

■ 61.2285, 52.0939,  
101.4358

■ 53.1475, 41.2692,  
99.7723

■ 46.2349, 32.3578,  
98.4166

■ 40.4257, 25.2397,  
97.3488

■ 35.6475, 19.7807,  
96.5470

■ 31.8179, 15.8270,  
95.9857

■ 28.8387, 13.1938,  
95.6344

# Harmonies

## Analogous

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



92.4794, 97.0970, 109.1933



93.0552, 97.0970, 108.4448



93.4265, 97.0970, 106.9691

# Triad

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



93.0552, 97.0970, 108.4448



92.7222, 97.0970, 102.5073



91.0940, 97.0970, 106.2714

# Complementary

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



93.0552, 97.0970, 108.4448



93.6831, 99.3688, 105.5142

# Split Complementary

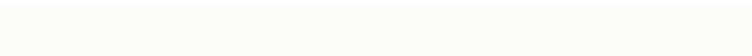
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.1583, 97.0970, 104.4849



93.0552, 97.0970, 108.4448



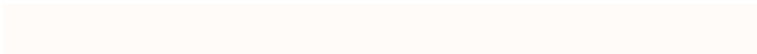
92.0965, 97.0970, 102.3253

# Square

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



93.0552, 97.0970, 108.4448



93.2336, 97.0970, 103.5455



91.5246, 97.0970, 103.0454



91.3484, 97.0970, 107.9291

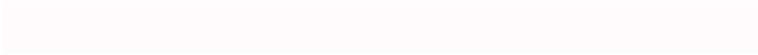


# Rectangle

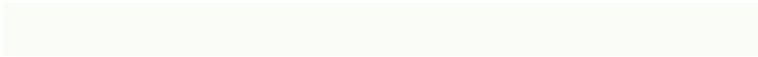
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93.0552, 97.0970, 108.4448



93.5071, 97.0970, 105.7784



91.5246, 97.0970, 103.0454



91.0791, 97.0970, 105.6658

# Sweetspot

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



93.0577, 97.1011, 108.4455

95.0500, 100.0000, 108.9000



92.9830, 98.0248, 108.6277



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.



93.0577, 97.1011, 108.4455



92.5120, 96.3084, 108.3212



93.7646, 97.4655, 108.4785



19.8280, 20.6526, 23.1913



14.2098, 6.2359, 49.8893



1.5095, 0.6721, 4.8634



# Inverse Universe

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



93.4693, 97.3502, 106.7961



93.0369, 96.6260, 106.2182



92.9833, 99.0081, 105.4814



19.9348, 20.7173, 22.7633



23.6456, 11.9475, 12.0501



2.3574, 1.1853, 1.4636



# Previews

## White Background



This preview shows how the XYZ color 93.0552, 97.0970, 108.4448 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 93.0552, 97.0970, 108.4448 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 93.0552, 97.0970, 108.4448

## Background



This preview shows how black text looks on a background with the XYZ color 93.0552, 97.0970, 108.4448.



This preview shows how white text looks on a background with the XYZ color 93.0552, 97.0970, 108.4448.



# 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

93.0552, 97.0970, 108.4448

### Protanopia

93.4756, 96.8512, 108.3752

### Deuteranopia

93.3079, 97.2826, 105.9550

## **Tritanopia**

92.6921, 96.9098, 108.4278

# Trichromacy

## Original Color

93.0552, 97.0970, 108.4448

## Protanomaly

93.1087, 96.6620, 108.3580

## Deuteranomaly

93.0999, 97.1570, 106.7748

## Tritanomaly

92.6921, 96.9098, 108.4278

# Monochromacy

## Original Color

93.0552, 97.0970, 108.4448

## Achromatopsia

92.5260, 97.3445, 106.0082

## Achromatomaly

92.6849, 97.4081, 106.8451

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 93.0552, 97.0970, 108.4448 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(253, 251, 255) looks like.

```
.text, #text, p{  
    color:rgb(253, 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(253, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 251, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 93.0552, 97.0970, 108.4448 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, 251, 255) }
```

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

```
.border{ border-color:rgb(253, 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(253, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(253, 251,  
255) }
```



# Background

The CSS property to change the background color of an element to XYZ 93.0552, 97.0970, 108.4448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 251, 255) }
```

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

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