

# Converting Colors

XYZ(97.0014, 100.0000,  
88.8550)

Have a look what the booklet for  
XYZ(97.0014, 100.0000, 88.8550)  
contains.

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# **Color**

**XYZ(90.3333, 96.5940,  
88.7463)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFFCE6
RGB	255, 252, 230
RGB Percent	100%, 99%, 90%
CMY	0.0000, 0.0117, 0.0980
CMYK	0.00, 0.01, 0.10, 0.00
HSL	53°, 100%, 95%
HSV	53°, 10%, 100%
XYZ	90.3333, 96.5940, 88.7463
YIQ	250.3890, 8.8500, -6.2060

# Conversions

## Conversions Part 2

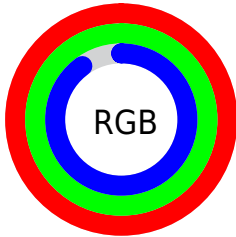
Format	Color
<a href="#">RYB</a>	<a href="#">233, 255, 230</a>
Decimal	<a href="#">16776422</a>
CIELab	<a href="#">98.67, -2.66, 10.88</a>
CIELCh	<a href="#">99, 11.203, 103.755</a>
Yxy	<a href="#">96.5940, 0.3277, 0.3504</a>
Android (android.graphics.Color)	<a href="#">4294966502</a> (0xFFFFFCE6)
YUV	<a href="#">250.3890, -10.0518, 4.0438</a>
Hunter-Lab	<a href="#">98.2822, -7.9308, 15.2603</a>

# Details

The XYZ color **90.3333, 96.5940, 88.7463** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **79.8214, 82.3186, 106.2898**, and the grayscale version is **91.2655, 96.0184, 104.5640**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **50.4438, 54.0920, 47.8265** is the 20% darker color. If you saturate the color by 10%, you get **86.0604, 93.3658, 70.9284**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

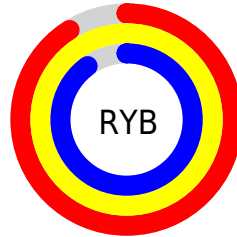
# Distribution



Red (100%)

Green (99%)

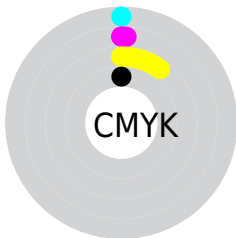
Blue (90%)



Red (91%)

Yellow (100%)

Blue (90%)

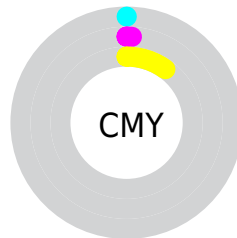


Cyan (0%)

Magenta (1%)

Yellow (10%)

Black (0%)



Cyan (0%)

Magenta (1%)


Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 90.3333, 96.5940, 88.7463 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 90.3333, 96.5940, 88.7463 by changing the saturation by 10% instead.




 90.3333, 96.5940,  
88.7463

 90.3333, 96.5940,  
88.7463


517.3362,  
549.2555, 544.4086

 68.5943, 73.4624,  
66.3735


146.6773,  
156.4649, 147.5160

 50.6568, 54.3541,  
48.1172


182.0130,  
193.9731, 184.7499

 36.1555, 38.8848,  
33.5591


222.6116,  
237.0421, 227.7746

 24.7250, 26.6702,  
22.2805

268.8385,  
286.0565, 277.0086

 15.9999, 17.3257,  
13.8628

321.0591,  
341.4007, 332.8705

 9.6149, 10.4669,  
7.8877

379.6386,

 5.2047, 5.7096,

403.4590, 395.7787

3.9364

444.9426,  
472.6158, 466.1520

■ 2.4039, 2.6693,  
1.5905

■ 0.8470, 0.9616,  
0.2840

■ 90.3333, 96.5940,  
88.7463

■ 90.3333, 96.5940,  
88.7463

■ 86.0604, 93.3658,  
70.9284

95.0500, 100.0000,  
108.9000

■ 82.3018, 90.3647,  
55.7532

■ 79.0355, 87.5849,  
43.0947

■ 76.2350, 85.0158,  
32.8144

■ 73.8714, 82.6457,  
24.7600

■ 71.9124, 80.4614,  
18.7619

■ 70.3210, 78.4482,  
14.6260

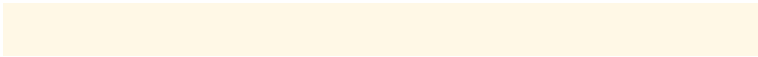
■ 69.0533, 76.5883,  
12.1209

■ 68.0389, 74.8535,  
10.8765

# Harmonies

## Analogous

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



93.5672, 96.5940, 88.9260



90.3333, 96.5940, 88.7463



87.5596, 96.5940, 92.7816

# Triad

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



90.3333, 96.5940, 88.7463



87.3739, 96.5940, 118.0302



97.9347, 96.5940, 110.2558

# Complementary

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



90.3333, 96.5940, 88.7463



79.8214, 82.3186, 106.2898

# Split Complementary

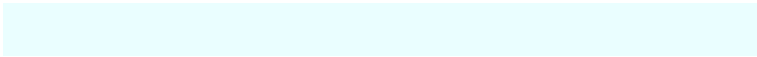
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.1952, 96.5940, 118.6244



90.3333, 96.5940, 88.7463



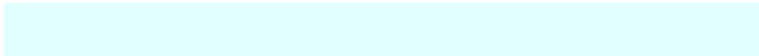
90.0743, 96.5940, 123.2906

# Square

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



90.3333, 96.5940, 88.7463



85.8784, 96.5940, 109.4831



93.3021, 96.5940, 123.5143

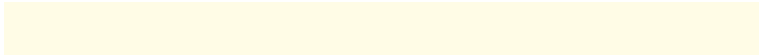


98.0080, 96.5940, 100.9803



# Rectangle

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



90.3333, 96.5940, 88.7463



86.3234, 96.5940, 97.4645



93.3021, 96.5940, 123.5143



97.5236, 96.5940, 113.2806

# Sweetspot

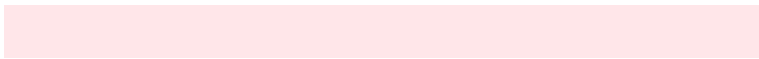
The Sweet Spot groups the original color and five complimentary colors.



90.3356, 96.5980, 88.7484



93.5510, 98.9339, 102.4446



84.2932, 83.7570, 89.0659



19.9398, 21.1157, 21.5674



0.0000, 0.0000, 0.0000

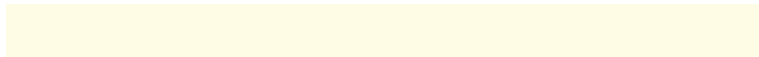


20.3446, 21.4041, 23.3091



# Same Dimension

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



90.3356, 96.5980, 88.7484



89.3509, 95.8677, 84.6008



87.9910, 96.7961, 88.9102



19.3646, 20.6974, 19.1187



35.6155, 39.2422, 5.6974



3.5179, 3.9212, 0.5715



# Inverse Universe

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



79.8214, 82.3186, 106.2898



76.6758, 78.6536, 105.7482



82.0006, 82.1946, 106.1510



17.1782, 17.7280, 22.7664



9.7360, 4.3816, 49.7672

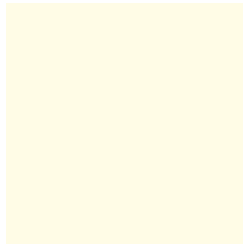


1.0012, 0.5331, 4.8634



# Previews

## White Background



This preview shows how the XYZ color 90.3333, 96.5940, 88.7463 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

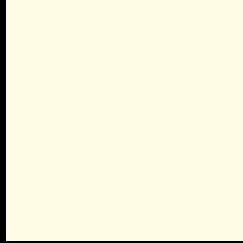
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 90.3333, 96.5940, 88.7463 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

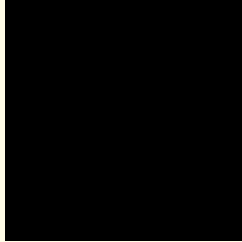
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 90.3333, 96.5940, 88.7463**

## **Background**



This preview shows how black text looks on a background with the XYZ color 90.3333, 96.5940, 88.7463.



This preview shows how white text looks on a background with the XYZ color 90.3333, 96.5940,

88.7463.

# 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

90.3333, 96.5940, 88.7463

### Protanopia

91.9148, 96.7254, 98.6195

### Deuteranopia

92.5245, 96.4708, 103.3667

## Tritanopia

92.7436, 96.4739, 108.3409

# Trichromacy



**Original Color**

90.3333, 96.5940, 88.7463

**Protanomaly**

91.1698, 96.4274, 94.6961

**Deuteranomaly**

91.7642, 96.6652, 97.8262

**Tritanomaly**

92.0048, 96.7190, 101.0082

# Monochromacy



**Original Color**

90.3333, 96.5940, 88.7463

**Achromatopsia**

90.8653, 95.5973, 104.1055

**Achromatomaly**

90.8197, 96.1609, 98.5682

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 90.3333, 96.5940, 88.7463 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, 252, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 252, 230)  
}
```

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, 252, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 252, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 90.3333, 96.5940, 88.7463 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, 252, 230) }
```



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

```
.border{ border-color:rgb(255, 252, 230) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 252, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 252, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 252, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 252,  
230) }
```

# Background

The CSS property to change the background color of an element to XYZ 90.3333, 96.5940, 88.7463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 252, 230) }
```

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

```
.background{ background-color: rgb(255,  
252, 230) }
```

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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