

# Converting Colors

XYZ(92.4803, 97.6807, 92.0314)

Have a look what the booklet for  
XYZ(92.4803, 97.6807, 92.0314)  
contains.

<b>XYZ(90.9017, 96.8213, 91.7393)</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(90.9017, 96.8213,  
91.7393)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFCEA
RGB	255, 252, 234
RGB Percent	100%, 99%, 92%
CMY	0.0000, 0.0117, 0.0823
CMYK	0.00, 0.01, 0.08, 0.00
HSL	51°, 100%, 96%
HSV	51°, 8%, 100%
XYZ	90.9017, 96.8213, 91.7393
YIQ	250.8450, 7.5660, -4.9620

# Conversions

## Conversions Part 2

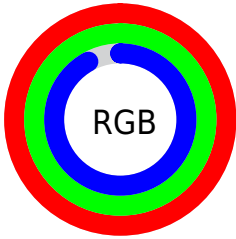
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	238, 255, 234
Decimal	16776426
CIE Lab	98.76, -2.02, 8.96
CIE LCh	99, 9.185, 102.719
Yxy	96.8213, 0.3253, 0.3465
Android (android.graphics.Color)	4294966506 (0xFFFFFCEA)
YUV	250.8450, -8.3046, 3.6439
Hunter-Lab	98.3978, -7.2946, 13.6006

# Details

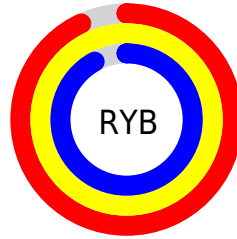
The XYZ color 90.9017, 96.8213, 91.7393 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 82.2653, 85.2787, 106.7323, and the grayscale version is 91.6302, 96.4021, 104.9819.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.8397, 54.2503, 49.9113 is the 20% darker color. If you saturate the color by 10%, you get 86.3684, 93.2016, 73.4364, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

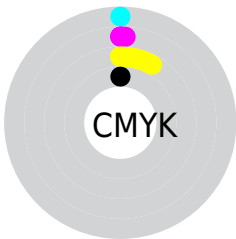
# Distribution



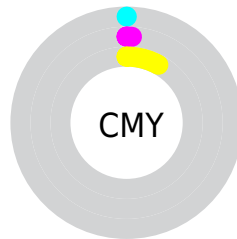
- Red (100%)
- Green (99%)
- Blue (92%)



- Red (93%)
- Yellow (100%)
- Blue (92%)



- Cyan (0%)
- Magenta (1%)
- Yellow (8%)
- Black (0%)




- Cyan (0%)
- Magenta (1%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 90.9017, 96.8213, 91.7393 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 90.9017, 96.8213, 91.7393 by changing the saturation by 10% instead.



 90.9017, 96.8213,  
91.7393

 90.9017, 96.8213,  
91.7393


519.1540,  
549.9794, 554.3881

 69.0675, 73.6518,  
68.8423


147.4623,  
156.7784, 151.7086

 51.0435, 54.5091,  
50.1123


182.9193,  
194.3348, 189.6179

 36.4644, 39.0088,  
35.1309


223.6480,  
237.4556, 233.3685

 24.9649, 26.7666,  
23.4793

270.0138,  
286.5252, 283.3788

 16.1795, 17.3980,  
14.7392

322.3819,  
341.9279, 340.0673

 9.7429, 10.5187,  
8.4920

381.1177,

 5.2898, 5.7442,

404.0483, 403.8527

4.3191

446.5866,  
473.2707, 475.1534

■ 2.4548, 2.6902,  
1.8020

■ 0.8725, 0.9722,  
0.4293

■ 90.9017, 96.8213,  
91.7393

■ 90.9017, 96.8213,  
91.7393

■ 86.3684, 93.2016,  
73.4364

95.0500, 100.0000,  
108.9000

■ 82.3596, 89.8234,  
57.7976

■ 78.8533, 86.6807,  
44.6985

■ 75.8235, 83.7629,  
34.0020

■ 73.2414, 81.0585,  
25.5585

■ 71.0755, 78.5545,  
19.2014

■ 69.2895, 76.2362,  
14.7410

■ 67.8407, 74.0865,  
11.9530

■ 66.6705, 72.0815,  
10.5285

# Harmonies

## Analogous

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



93.5570, 96.8213, 92.0153



90.9017, 96.8213, 91.7393



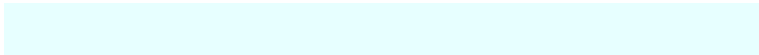
88.5916, 96.8213, 94.9992

# Triad

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



90.9017, 96.8213, 91.7393



88.3106, 96.8213, 115.6989



97.0080, 96.8213, 109.8437

# Complementary

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



90.9017, 96.8213, 91.7393



82.2653, 85.2787, 106.7323

# Split Complementary

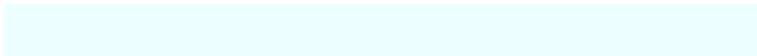
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.5475, 96.8213, 116.5805



90.9017, 96.8213, 91.7393



90.5113, 96.8213, 120.0714

# Square

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



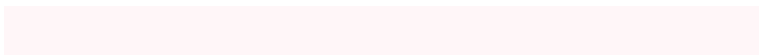
90.9017, 96.8213, 91.7393



87.1152, 96.8213, 108.6875



93.1590, 96.8213, 120.4016

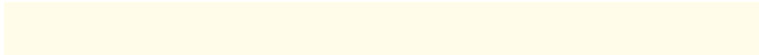


97.1175, 96.8213, 102.2225



# Rectangle

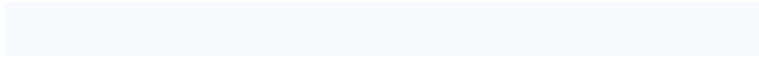
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.9017, 96.8213, 91.7393



87.5444, 96.8213, 98.8347



93.1590, 96.8213, 120.4016



96.6575, 96.8213, 112.2956

# Sweetspot

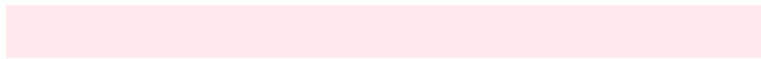
The Sweet Spot groups the original color and five complimentary colors.



90.9039, 96.8253, 91.7414



94.0081, 99.2128, 104.5555



85.9716, 86.2300, 92.3498



20.1325, 21.2439, 22.4247



0.0000, 0.0000, 0.0000

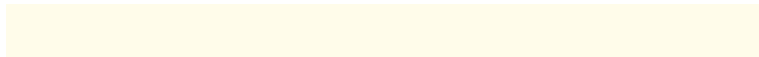


20.3446, 21.4041, 23.3091

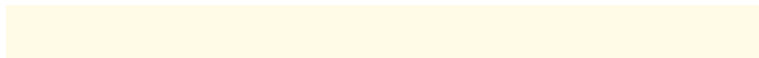


# Same Dimension

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



90.9039, 96.8253, 91.7414



90.0639, 96.1673, 88.3106



89.1992, 97.3533, 91.9331



19.3275, 20.6231, 19.1063



34.8210, 37.6533, 5.4325



3.4483, 3.7819, 0.5482



# Inverse Universe

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



82.2653, 85.2787, 106.7323



79.7002, 82.3151, 106.2955



83.8690, 84.8294, 106.5611



17.2119, 17.7954, 22.7776



9.8296, 4.5688, 49.7984



1.0170, 0.5646, 4.8687



# Previews

## White Background



This preview shows how the XYZ color 90.9017, 96.8213, 91.7393 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

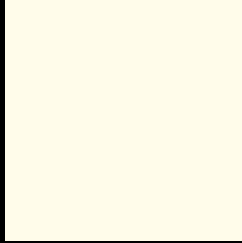
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 90.9017, 96.8213, 91.7393 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

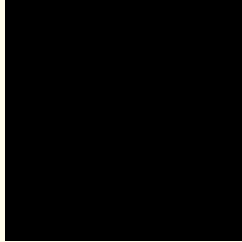
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 90.9017, 96.8213, 91.7393

## Background



This preview shows how black text looks on a background with the XYZ color 90.9017, 96.8213, 91.7393.



This preview shows how white text looks on a background with the XYZ color 90.9017, 96.8213,

91.7 93.

# 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

90.9017, 96.8213, 91.7393

### Protanopia

92.0663, 96.7860, 99.4171

### Deuteranopia

92.6809, 96.5333, 104.1905

## **Tritanopia**

92.7436, 96.4739, 108.3409

# Trichromacy



**Original Color**

90.9017, 96.8213, 91.7393

**Protanomaly**

91.4654, 96.5456, 96.2525

**Deuteranomaly**

92.0663, 96.7860, 99.4171

**Tritanomaly**

92.1587, 96.7806, 101.8189

# Monochromacy



**Original Color**

90.9017, 96.8213, 91.7393



**Achromatopsia**

91.6934, 96.4686, 105.0543



**Achromatomaly**

91.1235, 96.2824, 100.1678

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 90.9017, 96.8213, 91.7393 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, 234) looks like.

```
.text, #text, p{  
    color:rgb(255, 252, 234)  
}
```

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, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 252, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 90.9017, 96.8213, 91.7393 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, 234) }
```



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

```
.border{ border-color:rgb(255, 252, 234) }
```

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, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 252, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 252, 234);  
box-shadow:4px 4px 4px 4px rgb(255, 252,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 90.9017, 96.8213, 91.7393 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, 234) }
```

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

```
.background{ background-color: rgb(255,  
252, 234) }
```

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