

# Converting Colors

XYZ(90.8039, 93.4176,  
101.5970)

Have a look what the booklet for  
XYZ(90.8039, 93.4176, 101.5970)  
contains.

<b>XYZ(90.6809, 93.2802, 101.2212)</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(90.6809, 93.2802,  
101.2212)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF5F7
RGB	255, 245, 247
RGB Percent	100%, 96%, 97%
CMY	0.0000, 0.0392, 0.0314
CMYK	0.00, 0.04, 0.03, 0.00
HSL	348°, 100%, 98%
HSV	348°, 4%, 100%
XYZ	90.6809, 93.2802, 101.2212
YIQ	248.2180, 5.3180, 2.7420

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 245, 247
Decimal	16774647
CIE Lab	97.34, 3.68, 0.22
CIE LCh	97, 3.691, 3.442
Yxy	93.2802, 0.3180, 0.3271
Android (android.graphics.Color)	4294964727 (0xFFFFF5F7)
YUV	248.2180, -0.6005, 5.9478
Hunter-Lab	96.5817, -1.4236, 5.4690

# Details

The XYZ color 90.6809, 93.2802, 101.2212 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 91.1486, 98.0257, 107.0489, and the grayscale version is 89.4050, 94.0611, 102.4325.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.8903, 52.1625, 56.6764 is the 20% darker color. If you saturate the color by 10%, you get 80.5129, 77.7111, 83.1358, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

# Distribution



Red (100%)

Green (96%)

Blue (97%)



Red (100%)

Yellow (96%)

Blue (97%)



Cyan (0%)

Magenta (4%)

Yellow (3%)

Black (0%)



Cyan (0%)

Magenta (4%)


Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 90.6809, 93.2802, 101.2212 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 90.6809, 93.2802, 101.2212 by changing the saturation by 10% instead.




 90.6809, 93.2802,  
101.2212

 90.6809, 93.2802,  
101.2212


518.4482,  
538.6444, 585.3810

 68.8837, 70.7044,  
76.6982


147.1574,  
151.8865, 164.9009

 50.8933, 52.1010,  
56.4952


182.5673,  
188.6858, 204.8947

 36.3444, 37.0856,  
40.1934


223.2455,  
230.9950, 250.8825

 24.8716, 25.2738,  
27.3744

269.5574,  
279.1986, 303.2829

 16.1096, 16.2811,  
17.6197

321.8682,  
333.6810, 362.5144

 9.6931, 9.7233,  
10.5107

380.5434,

 5.2567, 5.2159,

394.8265, 428.9956

5.6289

445.9483,  
463.0195, 503.1449

■ 2.4349, 2.3745,  
2.5556

■ 0.8626, 0.8127,  
0.8694

■ 90.6809, 93.2802,  
101.2212

■ 90.6809, 93.2802,  
101.2212

■ 80.5129, 77.7111,  
83.1358

95.0500, 100.0000,  
108.9000

■ 71.6963, 64.3115,  
67.1457

■ 64.1756, 52.9882,  
53.1762

■ 57.8887, 43.6368,  
41.1460

■ 52.7684, 36.1440,  
30.9682

■ 48.7409, 30.3846,  
22.5491

■ 45.7241, 26.2183,  
15.7866

■ 43.6232, 23.4823,  
10.5674

■ 42.3245, 21.9787,  
6.7629

# Harmonies

## Analogous

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



90.4695, 93.2802, 104.1610



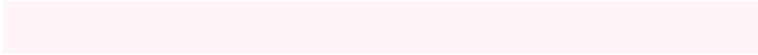
90.6809, 93.2802, 101.2212



90.3473, 93.2802, 98.4279

# Triad

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



90.6809, 93.2802, 101.2212



87.5573, 93.2802, 96.8397



87.7647, 93.2802, 106.8011

# Complementary

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



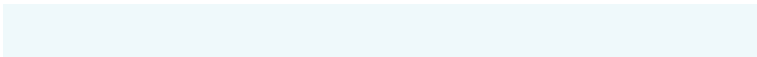
90.6809, 93.2802, 101.2212



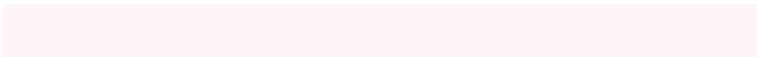
91.1486, 98.0257, 107.0489

# Split Complementary

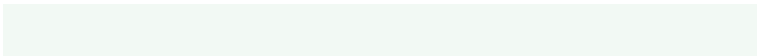
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.9939, 93.2802, 104.7707



90.6809, 93.2802, 101.2212



86.8748, 93.2802, 99.0150

# Square

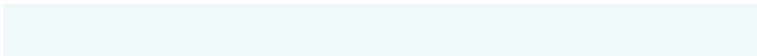
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.6809, 93.2802, 101.2212



88.5395, 93.2802, 95.9297



86.6694, 93.2802, 101.9121

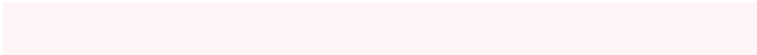


88.7807, 93.2802, 107.4194

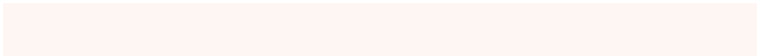


# Rectangle

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



90.6809, 93.2802, 101.2212



89.8623, 93.2802, 97.0137



86.6694, 93.2802, 101.9121



87.4686, 93.2802, 106.2591

# Sweetspot

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



90.6830, 93.2840, 101.2232



93.9150, 98.2530, 106.9093



91.2127, 93.4113, 107.8305



20.1136, 21.0486, 22.9040



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.



90.6830, 93.2840, 101.2232



89.5169, 91.4933, 99.1650



91.2910, 94.9903, 99.9144



18.9999, 19.3372, 20.9419



21.9017, 11.2500, 2.8671

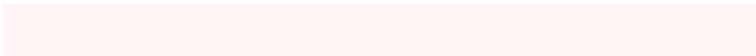


2.1690, 1.1100, 0.4716



# Inverse Universe

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



90.6830, 93.2840, 101.2232



89.5169, 91.4933, 99.1650



90.5193, 96.2555, 108.4160



18.9999, 19.3372, 20.9419



21.9017, 11.2500, 2.8671

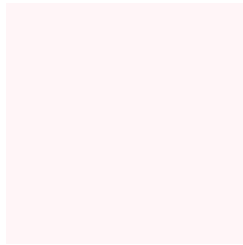


2.1690, 1.1100, 0.4716



# Previews

## White Background



This preview shows how the XYZ color 90.6809, 93.2802, 101.2212 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

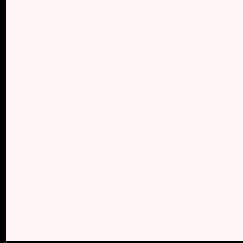
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 90.6809, 93.2802, 101.2212 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 90.6809, 93.2802, 101.2212

## Background



This preview shows how black text looks on a background with the XYZ color 90.6809, 93.2802, 101.2212.



This preview shows how white text looks on a background with the XYZ color 90.6809, 93.2802,



# 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

90.6809, 93.2802, 101.2212

### Protanopia

89.6827, 93.1981, 102.0692

### Deuteranopia

90.8357, 93.3421, 102.0362



## Tritanopia

91.2104, 93.4075, 107.8299

# Trichromacy



**Original Color**

90.6809, 93.2802, 101.2212

**Protanomaly**

90.0439, 93.3843, 102.0861

**Deuteranomaly**

90.8357, 93.3421, 102.0362

**Tritanomaly**

91.0961, 93.4039, 105.3229

# Monochromacy



**Original Color**

90.6809, 93.2802, 101.2212

**Achromatopsia**

89.2221, 93.8686, 102.2229

**Achromatomaly**

89.9877, 93.8081, 102.1708

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 90.6809, 93.2802, 101.2212 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, 245, 247) looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 247)  
}
```

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, 245, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 247) }
```

## Border

The CSS property to change the border of an element to XYZ 90.6809, 93.2802, 101.2212 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, 245, 247) }
```



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

```
.border{ border-color:rgb(255, 245, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 245, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 247);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
247) }
```

# Background

The CSS property to change the background color of an element to XYZ 90.6809, 93.2802, 101.2212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 245, 247) }
```

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

```
.background{ background-color: rgb(255,  
245, 247) }
```

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