

# Converting Colors

XYZ(90.5421, 94.2868,  
101.7476)

Have a look what the booklet for  
XYZ(90.5421, 94.2868, 101.7476)  
contains.

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# **Color**

**XYZ(90.1941, 93.9324,  
101.3727)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCF7F7
RGB	252, 247, 247
RGB Percent	99%, 97%, 97%
CMY	0.0118, 0.0313, 0.0314
CMYK	0.00, 0.02, 0.02, 0.01
HSL	0°, 45%, 98%
HSV	0°, 2%, 99%
XYZ	90.1941, 93.9324, 101.3727
YIQ	248.4950, 2.9800, 1.0600

# Conversions

## Conversions Part 2

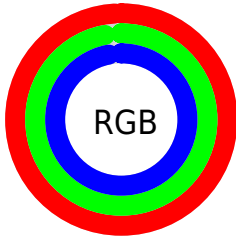
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	252, 247, 247
Decimal	16578551
CIE Lab	97.60, 1.67, 0.58
CIE LCh	98, 1.763, 19.156
Yxy	93.9324, 0.3159, 0.3290
Android (android.graphics.Color)	4294768631 (0xFFFCF7F7)
YUV	248.4950, -0.7370, 3.0739
Hunter-Lab	96.9187, -3.4929, 5.8284

# Details

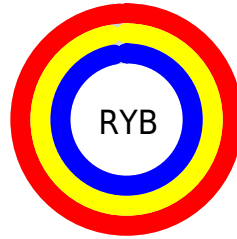
The XYZ color 90.1941, 93.9324, 101.3727 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 90.7387, 96.4217, 105.9254, and the grayscale version is 89.6347, 94.3026, 102.6956.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.5404, 52.6253, 56.7841 is the 20% darker color. If you saturate the color by 10%, you get 79.3792, 78.1103, 79.8609, and if you desaturate by 10%, it is 93.9554, 99.4357, 108.8488.

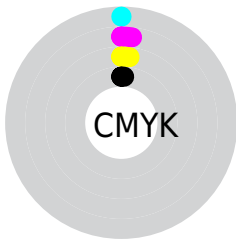
# Distribution



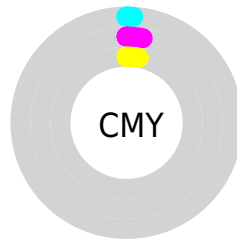
- Red (99%)
- Green (97%)
- Blue (97%)



- Red (99%)
- Yellow (97%)
- Blue (97%)



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



- Cyan (1%)
- Magenta (3%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 90.1941, 93.9324, 101.3727 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 90.1941, 93.9324, 101.3727 by changing the saturation by 10% instead.



90.1941, 93.9324,  
101.3727

90.1941, 93.9324,  
101.3727

516.8905,  
540.7415, 585.8690

68.4784, 71.2467,  
76.8242

146.4850,  
152.7888, 165.1106

50.5622, 52.5436,  
56.5979

181.7909,  
189.7284, 205.1371

36.0799, 37.4385,  
40.2753

222.3576,  
232.1881, 251.1599

24.6663, 25.5472,  
27.4378

268.5504,  
280.5522, 303.5977

15.9560, 16.4852,  
17.6670

320.7348,  
335.2052, 362.8690

9.5837, 9.8681,  
10.5442

379.2761,

5.1840, 5.3116,

396.5315, 429.3922

5.6509

444.5395,  
464.9155, 503.5861

■ 2.3915, 2.4312,  
2.5687

■ 0.8409, 0.8419,  
0.8762

■ 90.1941, 93.9324,  
101.3727

■ 90.1941, 93.9324,  
101.3727

■ 79.3792, 78.1103,  
79.8609

93.9554, 99.4357,  
108.8488

■ 70.0647, 64.4824,  
61.3377

■ 62.1866, 52.9558,  
45.6728

■ 55.6736, 43.4258,  
32.7240

■ 50.4481, 35.7792,  
22.3367

■ 46.4247, 29.8910,  
14.3410

■ 43.5079, 25.6215,  
8.5466

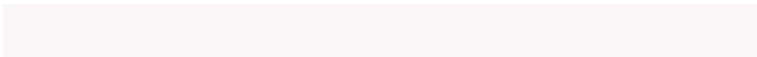
■ 41.5875, 22.8098,  
4.7341

■ 40.5308, 21.2616,  
2.6389

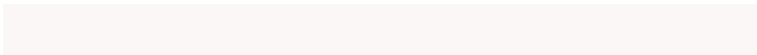
# Harmonies

## Analogous

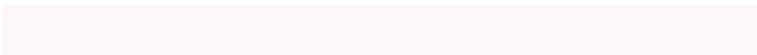
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.2305, 93.9324, 102.7970



90.1941, 93.9324, 101.3727



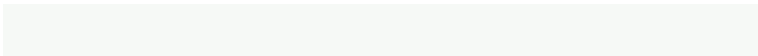
89.9122, 93.9324, 100.2010

# Triad

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



90.1941, 93.9324, 101.3727



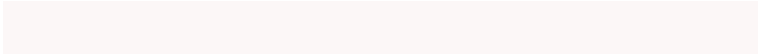
88.5523, 93.9324, 100.4806



89.0986, 93.9324, 105.0133

# Complementary

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



90.1941, 93.9324, 101.3727



90.7387, 96.4217, 105.9254

# 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.



88.6506, 93.9324, 104.3803



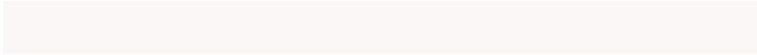
90.1941, 93.9324, 101.3727



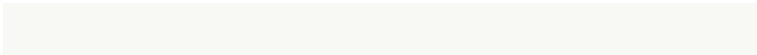
88.3360, 93.9324, 101.7576

# Square

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



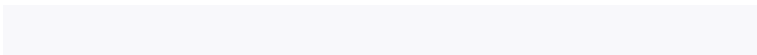
90.1941, 93.9324, 101.3727



88.9638, 93.9324, 99.6893



88.3720, 93.9324, 103.1855

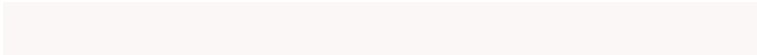


89.5968, 93.9324, 104.9079

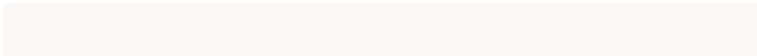


# Rectangle

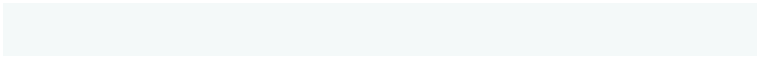
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.1941, 93.9324, 101.3727



89.6236, 93.9324, 99.7167



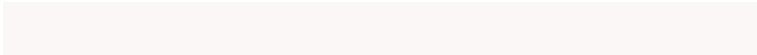
88.3720, 93.9324, 103.1855



88.9372, 93.9324, 104.8796

# Sweetspot

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



90.1968, 93.9365, 101.3747



93.8347, 98.2220, 106.4829



90.9775, 94.2466, 105.4929



20.0973, 21.0423, 22.8172



0.0000, 0.0000, 0.0000

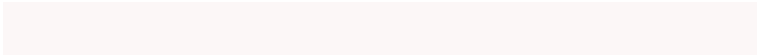


20.3446, 21.4041, 23.3091



# Same Dimension

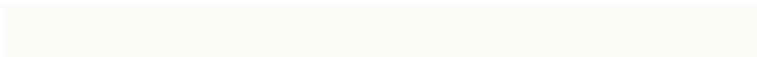
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.1968, 93.9365, 101.3747



92.6356, 96.4677, 104.0980



90.9650, 95.4730, 101.6308



19.0063, 19.8032, 21.3799



20.9137, 10.7841, 0.9793



1.9374, 0.9996, 0.0908



# Inverse Universe

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



90.7387, 96.4217, 105.9254



93.1971, 99.0427, 108.8129



89.9602, 94.8646, 105.6659



19.1155, 20.3040, 22.2969



27.2504, 39.8563, 54.2303

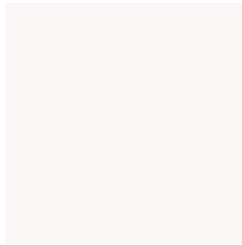


2.5243, 3.6922, 5.0228



# Previews

## White Background



This preview shows how the XYZ color 90.1941, 93.9324, 101.3727 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

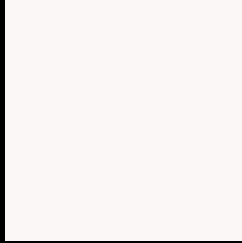
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 90.1941, 93.9324, 101.3727 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

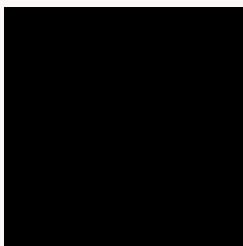
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

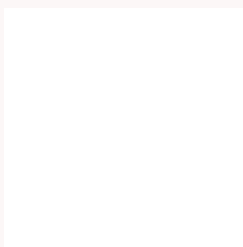
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 90.1941, 93.9324, 101.3727

## Background



This preview shows how black text looks on a background with the XYZ color 90.1941, 93.9324, 101.3727.



This preview shows how white text looks on a background with the XYZ color 90.1941, 93.9324, 101.3727.



# 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

90.1941, 93.9324, 101.3727

### Protanopia

90.5573, 94.1196, 101.3897

### Deuteranopia

91.1390, 93.9488, 102.1373

## **Tritanopia**

91.0944, 94.2508, 107.9988

# Trichromacy



**Original Color**

90.1941, 93.9324, 101.3727

**Protanomaly**

90.5573, 94.1196, 101.3897

**Deuteranomaly**

90.7721, 93.7597, 102.1202

**Tritanomaly**

90.6151, 94.0590, 105.4747

# Monochromacy



**Original Color**

90.1941, 93.9324, 101.3727

**Achromatopsia**

89.2221, 93.8686, 102.2229

**Achromatomaly**

89.5776, 94.0519, 102.2395

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 90.1941, 93.9324, 101.3727 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(252, 247, 247) looks like.

```
.text, #text, p{  
    color:rgb(252, 247, 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(252, 247, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 247, 247) }
```

## Border

The CSS property to change the border of an element to XYZ 90.1941, 93.9324, 101.3727 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(252, 247, 247) }
```



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

```
.border{ border-color:rgb(252, 247, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 247, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 247, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 247, 247);  
box-shadow:4px 4px 4px 4px rgb(252, 247,  
247) }
```

# Background

The CSS property to change the background color of an element to XYZ 90.1941, 93.9324, 101.3727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 247, 247) }
```

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

```
.background{ background-color: rgb(252,  
247, 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](#).

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