

# Converting Colors

XYZ(93.1534, 96.5187, 94.1595)

Have a look what the booklet for XYZ(93.1534, 96.5187, 94.1595) contains.

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# Color

**XYZ(90.4017, 95.1258,  
93.7172)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF9ED
RGB	255, 249, 237
RGB Percent	100%, 98%, 93%
CMY	0.0000, 0.0235, 0.0706
CMYK	0.00, 0.02, 0.07, 0.00
HSL	40°, 100%, 96%
HSV	40°, 7%, 100%
XYZ	90.4017, 95.1258, 93.7172
YIQ	249.4260, 7.4280, -2.4600

# Conversions

## Conversions Part 2

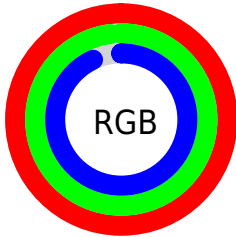
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	246, 255, 237
Decimal	16775661
CIE Lab	98.08, -0.02, 6.45
CIE LCh	98, 6.450, 90.202
Yxy	95.1258, 0.3237, 0.3407
Android (android.graphics.Color)	4294965741 (0xFFFFF9ED)
YUV	249.4260, -6.1260, 4.8884
Hunter-Lab	97.5325, -5.2322, 11.3020

# Details

The XYZ color 90.4017, 95.1258, 93.7172 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 85.0249, 89.3234, 107.3676, and the grayscale version is 90.4395, 95.1494, 103.6177.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.6992, 53.4819, 51.3670 is the 20% darker color. If you saturate the color by 10%, you get 84.3726, 88.6117, 74.6152, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

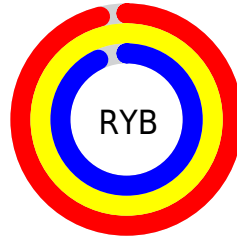
# Distribution



Red (100%)

Green (98%)

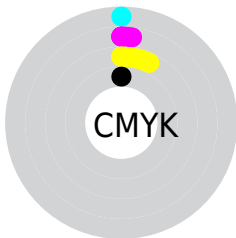
Blue (93%)



Red (96%)

Yellow (100%)

Blue (93%)

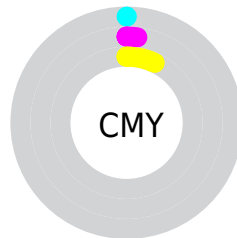


Cyan (0%)

Magenta (2%)

Yellow (7%)

Black (0%)



Cyan (0%)

Magenta (2%)


Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 90.4017, 95.1258, 93.7172 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 90.4017, 95.1258, 93.7172 by changing the saturation by 10% instead.




 90.4017, 95.1258,  
93.7172

 90.4017, 95.1258,  
93.7172


517.5551,  
544.5676, 560.9291

 68.6512, 72.2397,  
70.4768

146.7718,  
154.4384, 154.4715

 50.7033, 53.3545,  
51.4361


182.1221,  
191.6337, 192.8224

 36.1926, 38.0858,  
36.1767


222.7364,  
234.3674, 237.0472

 24.7538, 26.0493,  
24.2799

268.9800,  
283.0241, 287.5645

 16.0215, 16.8605,  
15.3273

321.2183,  
337.9880, 344.7928

 9.6303, 10.1351,  
8.9002

379.8167,

 5.2149, 5.4886,

399.6437, 409.1507

4.5802

445.1406,  
468.3754, 481.0566

■ 2.4100, 2.5367,  
1.9488

■ 0.8501, 0.8950,  
0.5235

■ 90.4017, 95.1258,  
93.7172

■ 90.4017, 95.1258,  
93.7172

■ 84.3726, 88.6117,  
74.6152

95.0500, 100.0000,  
108.9000

■ 78.9660, 82.5309,  
58.2235

■ 74.1587, 76.8747,  
44.4181

■ 69.9234, 71.6296,  
33.0629

■ 66.2304, 66.7809,  
24.0093

■ 63.0467, 62.3130,  
17.0926

■ 60.3353, 58.2080,  
12.1255

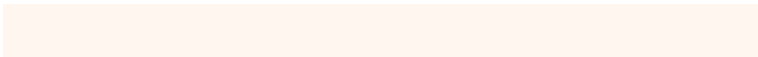
■ 58.0526, 54.4460,  
8.8884

■ 56.1438, 51.0019,  
7.1007

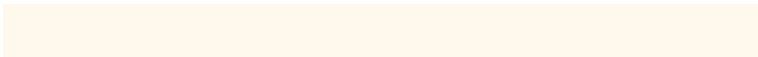
# Harmonies

## Analogous

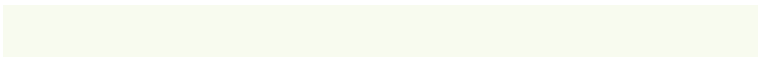
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.1938, 95.1258, 94.9831



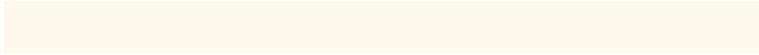
90.4017, 95.1258, 93.7172



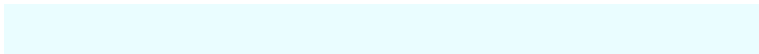
88.6363, 95.1258, 95.0170

# Triad

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



90.4017, 95.1258, 93.7172



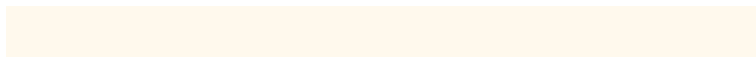
87.3741, 95.1258, 108.7864



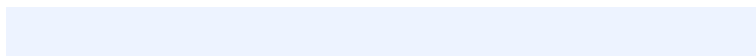
93.5368, 95.1258, 108.7223

# Complementary

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



90.4017, 95.1258, 93.7172



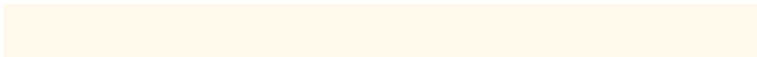
85.0249, 89.3234, 107.3676

# Split Complementary

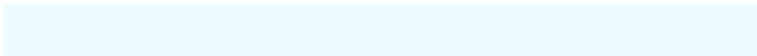
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.2158, 95.1258, 112.6338



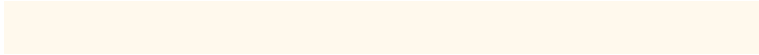
90.4017, 95.1258, 93.7172



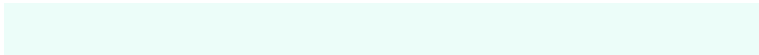
88.6577, 95.1258, 112.6717

# Square

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



90.4017, 95.1258, 93.7172



86.9029, 95.1258, 103.6117



90.4267, 95.1258, 114.1027



94.0188, 95.1258, 103.5400



# Rectangle

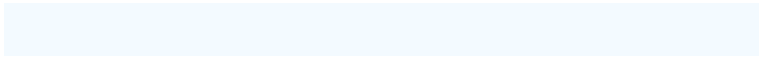
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.4017, 95.1258, 93.7172



87.7082, 95.1258, 97.1898



90.4267, 95.1258, 114.1027



93.1753, 95.1258, 110.2356

# Sweetspot

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



90.4039, 95.1297, 93.7192



93.7002, 98.5970, 104.4529



87.7026, 88.3006, 97.2163



20.0699, 21.1186, 22.4038



0.0000, 0.0000, 0.0000

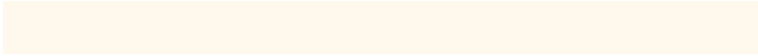


20.3446, 21.4041, 23.3091

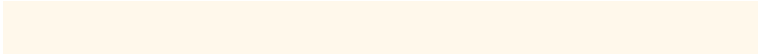


# Same Dimension

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



90.4039, 95.1297, 93.7192



89.8085, 94.4968, 91.8009



91.1913, 98.3300, 94.2955



19.0217, 20.0116, 19.0044



29.2107, 26.4325, 3.5624

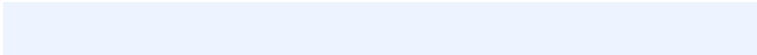


2.9447, 2.7747, 0.3804



# Inverse Universe

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



85.0249, 89.3234, 107.3676



83.7510, 87.9580, 107.1712



84.2704, 86.3150, 106.8267



17.4972, 18.3660, 22.8727



11.2475, 7.4046, 50.2710

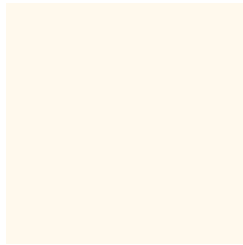


1.1907, 0.9122, 4.9266



# Previews

## White Background



This preview shows how the XYZ color 90.4017, 95.1258, 93.7172 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

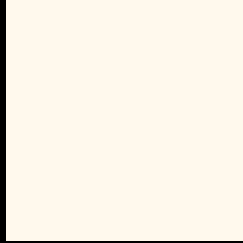
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 90.4017, 95.1258, 93.7172 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

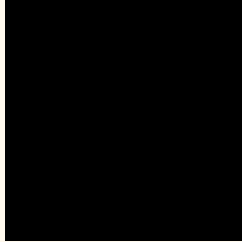
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 90.4017, 95.1258, 93.7172

## Background



This preview shows how black text looks on a background with the XYZ color 90.4017, 95.1258, 93.7172.



This preview shows how white text looks on a background with the XYZ color 90.4017, 95.1258,

93.772.

# 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**

90.4017, 95.1258, 93.7172

**Protanopia**

90.8439, 95.3026, 96.0453

**Deuteranopia**

91.7507, 95.1721, 102.3412

## **Tritanopia**

92.1254, 95.2374, 108.1349

# Trichromacy

A vertical color bar for Trichromacy, divided into four horizontal sections. The top section is yellow, the second is light orange, the third is light pink, and the bottom is light peach. Each section is associated with a specific color vision condition and its corresponding LMS values.

**Original Color**

90.4017, 95.1258, 93.7172

**Protanomaly**

90.6957, 95.2434, 95.2650

**Deuteranomaly**

91.1365, 94.9265, 99.1072

**Tritanomaly**

91.3837, 94.9829, 102.3240

# Monochromacy

A vertical color bar for Monochromacy, divided into two horizontal sections. The top section is yellow, and the bottom section is light grey. Each section is associated with a specific color vision condition and its corresponding LMS values.

**Original Color**

90.4017, 95.1258, 93.7172

**Achromatopsia**

90.0415, 94.7307, 103.1617

**Achromatomaly**

90.1408, 94.8532, 99.9438

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 90.4017, 95.1258, 93.7172 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, 249, 237) looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 237)  
}
```

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, 249, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 237) }
```

## Border

The CSS property to change the border of an element to XYZ 90.4017, 95.1258, 93.7172 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, 249, 237) }
```



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

```
.border{ border-color:rgb(255, 249, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 249, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 237);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
237) }
```

# Background

The CSS property to change the background color of an element to XYZ 90.4017, 95.1258, 93.7172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 249, 237) }
```

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

```
.background{ background-color: rgb(255,  
249, 237) }
```

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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