

# Converting Colors

XYZ(99.7239, 100.0000,  
96.9663)

Have a look what the booklet for  
XYZ(99.7239, 100.0000, 96.9663)  
contains.

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# Color

**XYZ(90.9929, 95.3622,  
96.8300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF9F1
RGB	255, 249, 241
RGB Percent	100%, 98%, 95%
CMY	0.0000, 0.0235, 0.0549
CMYK	0.00, 0.02, 0.05, 0.00
HSL	34°, 100%, 97%
HSV	34°, 5%, 100%
XYZ	90.9929, 95.3622, 96.8300
YIQ	249.8820, 6.1440, -1.2160

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	252, 255, 241
Decimal	16775665
CIE Lab	98.18, 0.64, 4.53
CIE LCh	98, 4.574, 81.959
Yxy	95.3622, 0.3213, 0.3367
Android (android.graphics.Color)	4294965745 (0xFFFF9F1)
YUV	249.8820, -4.3788, 4.4885
Hunter-Lab	97.6536, -4.5687, 9.5675

# Details

The XYZ color 90.9929, 95.3622, 96.8300 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 87.5857, 92.4400, 107.8342, and the grayscale version is 90.8023, 95.5311, 104.0333.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 51.1156, 53.6485, 53.5600 is the 20% darker color. If you saturate the color by 10%, you get 84.1702, 87.3919, 77.0606, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

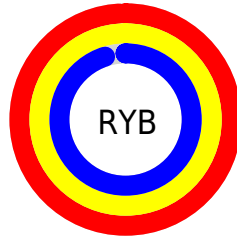
# Distribution



Red (100%)

Green (98%)

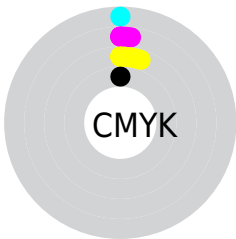
Blue (95%)



Red (99%)

Yellow (100%)

Blue (95%)

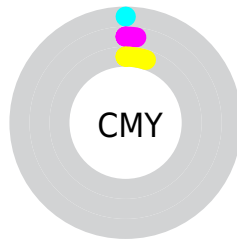


Cyan (0%)

Magenta (2%)

Yellow (5%)

Black (0%)



Cyan (0%)

Magenta (2%)


Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 90.9929, 95.3622, 96.8300 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 90.9929, 95.3622, 96.8300 by changing the saturation by 10% instead.




 90.9929, 95.3622,  
96.8300

 90.9929, 95.3622,  
96.8300


519.4453,  
545.3239, 571.1404

 69.1434, 72.4365,  
73.0537

147.5882,  
154.7649, 158.8077

 51.1056, 53.5153,  
53.5278

183.0647,  
192.0107, 197.8462

 36.5140, 38.2143,  
37.8337


223.8142,  
234.7986, 242.8091

 25.0034, 26.1490,  
25.5528

270.2022,  
283.5130, 294.1152

 16.2083, 16.9352,  
16.2666

322.5939,  
338.5383, 352.1828

 9.7635, 10.1883,  
9.5566

381.3548,

 5.3035, 5.5240,

400.2590, 417.4305

5.0043

446.8501,  
469.0594, 490.2768

■ 2.4630, 2.5579,  
2.1910

■ 0.8766, 0.9055,  
0.6692

■ 90.9929, 95.3622,  
96.8300

■ 90.9929, 95.3622,  
96.8300

■ 84.1702, 87.3919,  
77.0606

95.0500, 100.0000,  
108.9000

■ 78.0495, 80.0079,  
60.0456

■ 72.6059, 73.1979,  
45.6619

■ 67.8106, 66.9447,  
33.7744

■ 63.6323, 61.2303,  
24.2361

■ 60.0366, 56.0348,  
16.8844

■ 56.9851, 51.3368,  
11.5355

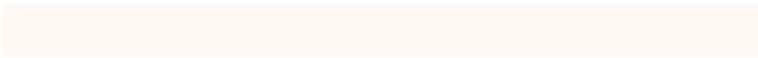
■ 54.4334, 47.1124,  
7.9751

■ 52.3273, 43.3332,  
5.9383

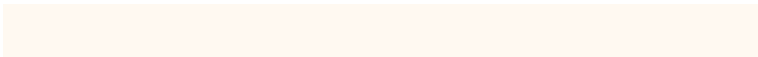
# Harmonies

## Analogous

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



92.2052, 95.3622, 98.2365



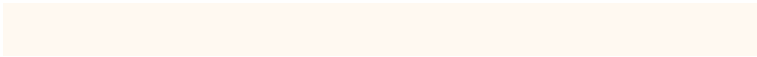
90.9929, 95.3622, 96.8300



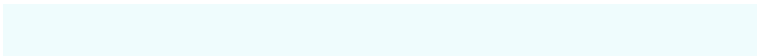
89.6971, 95.3622, 97.2639

# Triad

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



90.9929, 95.3622, 96.8300



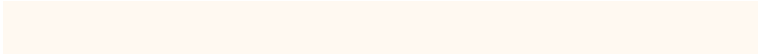
88.3151, 95.3622, 106.5634



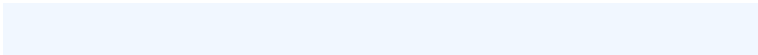
92.6439, 95.3622, 108.3577

# Complementary

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



90.9929, 95.3622, 96.8300



87.5857, 92.4400, 107.8342

# 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.



91.5873, 95.3622, 110.6918



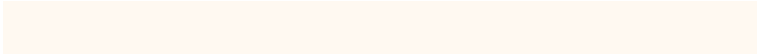
90.9929, 95.3622, 96.8300



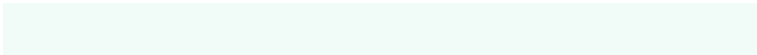
89.0904, 95.3622, 109.6386

# Square

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



90.9929, 95.3622, 96.8300



88.1594, 95.3622, 102.8240



90.2858, 95.3622, 111.1662



93.1645, 95.3622, 104.8490



# Rectangle

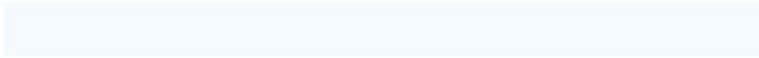
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.9929, 95.3622, 96.8300



88.9596, 95.3622, 98.5433



90.2858, 95.3622, 111.1662



92.3392, 95.3622, 109.3091

# Sweetspot

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



90.9950, 95.3661, 96.8320



93.5469, 98.2904, 104.4018



89.4948, 90.8912, 100.8773



20.0387, 21.0562, 22.3934



0.0000, 0.0000, 0.0000

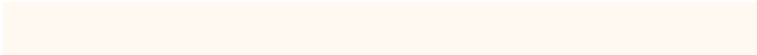


20.3446, 21.4041, 23.3091

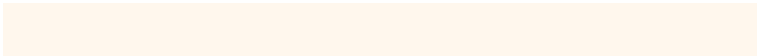


# Same Dimension

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



90.9950, 95.3661, 96.8320



89.9179, 94.1231, 93.6641



92.5350, 98.9544, 97.4435



19.1550, 20.0407, 19.7809



27.0556, 22.1224, 2.8441

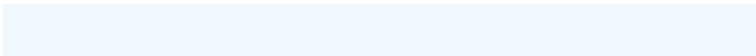


2.7428, 2.3709, 0.3131

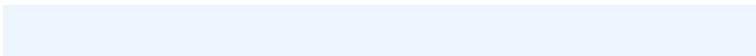


# Inverse Universe

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



87.5857, 92.4400, 107.8342



85.6151, 90.4302, 107.5501



86.1015, 88.9974, 107.2479



18.1587, 19.1857, 22.9961



12.4407, 9.7910, 50.6687

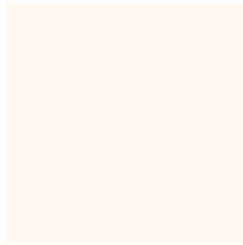


1.3171, 1.1649, 4.9687



# Previews

## White Background



This preview shows how the XYZ color 90.9929, 95.3622, 96.8300 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

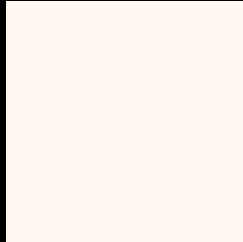
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 90.9929, 95.3622, 96.8300 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

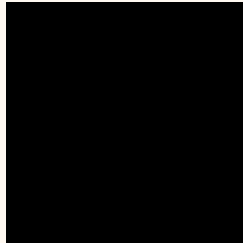
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 90.9929, 95.3622, 96.8300

## Background



This preview shows how black text looks on a background with the XYZ color 90.9929, 95.3622, 96.8300.



This preview shows how white text looks on a background with the XYZ color 90.9929, 95.3622,

96.800.

# 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**

90.9929, 95.3622, 96.8300

**Protanopia**

91.2933, 95.4824, 98.4123

**Deuteranopia**

91.7507, 95.1721, 102.3412

## Tritanopia

92.1254, 95.2374, 108.1349

# Trichromacy



**Original Color**

90.9929, 95.3622, 96.8300

**Protanomaly**

91.1427, 95.4222, 97.6190

**Deuteranomaly**

91.2888, 94.9874, 99.9092

**Tritanomaly**

91.6958, 95.1078, 103.9672

# Monochromacy



**Original Color**

90.9929, 95.3622, 96.8300

**Achromatopsia**

90.8653, 95.5973, 104.1055

**Achromatomaly**

91.1190, 95.7821, 101.6810

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 90.9929, 95.3622, 96.8300 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, 241)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 241)  
}
```

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, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 241) }
```

## Border

The CSS property to change the border of an element to XYZ 90.9929, 95.3622, 96.8300 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, 241) }
```



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

```
.border{ border-color:rgb(255, 249, 241) }
```

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, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 241);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
241) }
```

# Background

The CSS property to change the background color of an element to XYZ 90.9929, 95.3622, 96.8300 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, 241) }
```

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

```
.background{ background-color: rgb(255,  
249, 241) }
```

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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