

# Converting Colors

XYZ(90.0069, 93.6999, 95.5466)

Have a look what the booklet for  
XYZ(90.0069, 93.6999, 95.5466)  
contains.

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# **Color**

**XYZ(89.9239, 93.4628,  
95.7387)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF6F0
RGB	255, 246, 240
RGB Percent	100%, 96%, 94%
CMY	0.0000, 0.0353, 0.0588
CMYK	0.00, 0.04, 0.06, 0.00
HSL	24°, 100%, 97%
HSV	24°, 6%, 100%
XYZ	89.9239, 93.4628, 95.7387
YIQ	248.0070, 7.2900, 0.0420

# Conversions

## Conversions Part 2

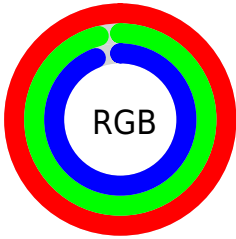
Format	Color
R <sub>Y</sub> B	255, 250, 240
Decimal	16774896
CIE Lab	97.42, 1.99, 3.94
CIE LCh	97, 4.414, 63.173
Yxy	93.4628, 0.3222, 0.3348
Android (android.graphics.Color)	4294964976 (0xFFFF6F0)
YUV	248.0070, -3.9475, 6.1329
Hunter-Lab	96.6762, -3.1505, 8.9582

# Details

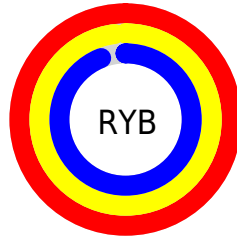
The XYZ color 89.9239, 93.4628, 95.7387 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 87.8601, 93.4942, 108.0232, and the grayscale version is 89.2579, 93.9062, 102.2639.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.3539, 52.2934, 52.7871 is the 20% darker color. If you saturate the color by 10%, you get 81.9379, 83.1330, 75.6825, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

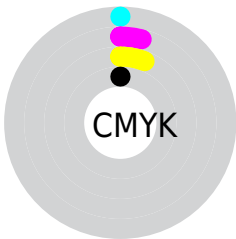
# Distribution



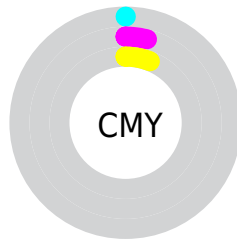
- Red (100%)
- Green (96%)
- Blue (94%)



- Red (100%)
- Yellow (98%)
- Blue (94%)



- Cyan (0%)
- Magenta (4%)
- Yellow (6%)
- Black (0%)




- Cyan (0%)
- Magenta (4%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 89.9239, 93.4628, 95.7387 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 89.9239, 93.4628, 95.7387 by changing the saturation by 10% instead.




 89.9239, 93.4628,  
95.7387

 89.9239, 93.4628,  
95.7387


516.0249,  
539.2320, 567.5718

 68.2536, 70.8562,  
72.1497


146.1116,  
152.1392, 157.2891

 50.3785, 52.2249,  
52.7934


181.3596,  
188.9778, 196.0875

 35.9333, 37.1844,  
37.2512


221.8644,  
231.3292, 240.7929

 24.5525, 25.3503,  
25.1048

267.9911,  
279.5778, 291.8237

 15.8709, 16.3382,  
15.9354

320.1051,  
334.1080, 349.5984

 9.5231, 9.7638,  
9.3246

378.5718,

 5.1438, 5.2426,

395.3041, 414.5356

4.8538

443.7566,  
463.5507, 487.0539

■ 2.3675, 2.3903,  
2.1045

■ 0.8289, 0.8209,  
0.6184

■ 89.9239, 93.4628,  
95.7387

■ 89.9239, 93.4628,  
95.7387

■ 81.9379, 83.1330,  
75.6825

95.0500, 100.0000,  
108.9000

■ 74.8339, 73.7510,  
58.4363

■ 68.5808, 65.2921,  
43.8746

■ 63.1432, 57.7264,  
31.8597

■ 58.4831, 51.0219,  
22.2419

■ 54.5586, 45.1446,  
14.8554

■ 51.3237, 40.0580,  
9.5130

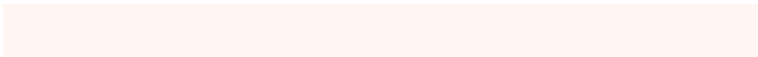
■ 48.7255, 35.7214,  
5.9960

■ 46.7007, 32.0893,  
4.0342

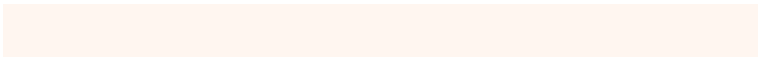
# Harmonies

## Analogous

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



90.8628, 93.4628, 98.0409



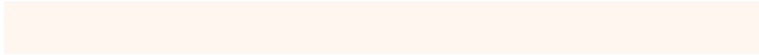
89.9239, 93.4628, 95.7387



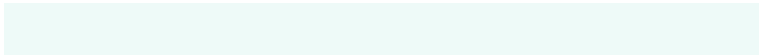
88.7005, 93.4628, 95.0385

# Triad

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



89.9239, 93.4628, 95.7387



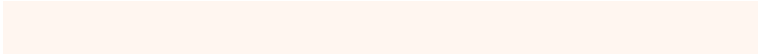
86.4527, 93.4628, 102.1471



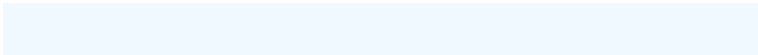
90.1567, 93.4628, 107.6427

# Complementary

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



89.9239, 93.4628, 95.7387



87.8601, 93.4942, 108.0232

# 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.



88.9669, 93.4628, 108.8018



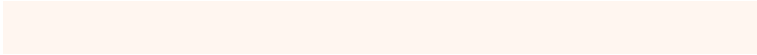
89.9239, 93.4628, 95.7387



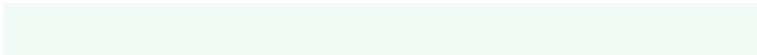
86.8348, 93.4628, 105.5825

# Square

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



89.9239, 93.4628, 95.7387



86.7036, 93.4628, 98.6868



87.7521, 93.4628, 108.0392



90.9981, 93.4628, 104.9068



# Rectangle

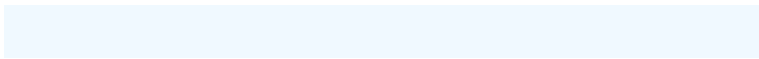
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.9239, 93.4628, 95.7387



87.8901, 93.4628, 95.5606



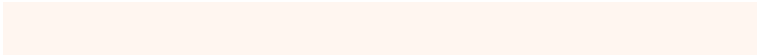
87.7521, 93.4628, 108.0392



89.7838, 93.4628, 108.2326

# Sweetspot

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



89.9261, 93.4666, 95.7407



93.2717, 97.7401, 104.3101



89.4996, 90.4208, 102.3589



19.9827, 20.9442, 22.3747



0.0000, 0.0000, 0.0000

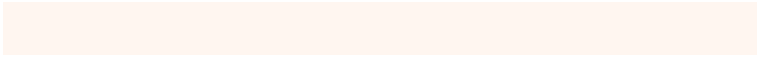


20.3446, 21.4041, 23.3091

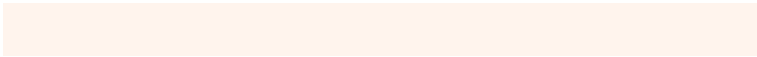


# Same Dimension

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



89.9261, 93.4666, 95.7407



88.9878, 92.2629, 93.3541



92.2518, 98.1182, 96.5159



18.9397, 19.6101, 19.7091



24.1723, 16.3559, 1.8830

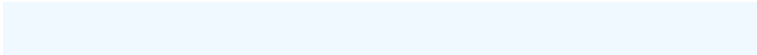


2.4570, 1.7994, 0.2178

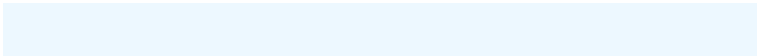


# Inverse Universe

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



87.8601, 93.4942, 108.0232



86.5477, 92.2954, 107.8610



85.5898, 88.9535, 107.2664



18.3747, 19.6176, 23.0681



15.5264, 15.9624, 51.6973

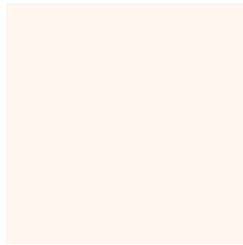


1.6188, 1.7682, 5.0693



# Previews

## White Background



This preview shows how the XYZ color 89.9239, 93.4628, 95.7387 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

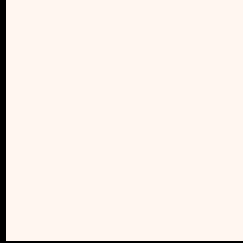
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.9239, 93.4628, 95.7387 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 89.9239, 93.4628, 95.7387**

## **Background**



This preview shows how black text looks on a background with the XYZ color 89.9239, 93.4628, 95.7387.



This preview shows how white text looks on a background with the XYZ color 89.9239, 93.4628,

95.7 87.

# 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**

89.9239, 93.4628, 95.7387

**Protanopia**

89.5570, 93.2736, 95.7215

**Deuteranopia**

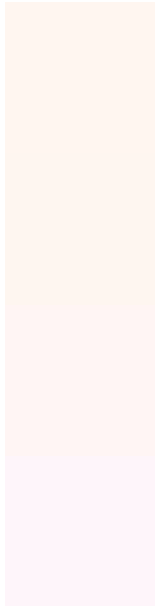
90.5270, 93.2186, 100.4105



## Tritanopia

91.2104, 93.4075, 107.8299

# Trichromacy



## Original Color

89.9239, 93.4628, 95.7387

## Protanomaly

89.5570, 93.2736, 95.7215

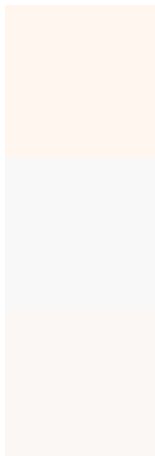
## Deuteranomaly

90.2215, 93.0965, 98.8022

## Tritanomaly

90.7808, 93.2778, 103.6622

# Monochromacy



## Original Color

89.9239, 93.4628, 95.7387

## Achromatopsia

89.2221, 93.8686, 102.2229

## Achromatomaly

89.5259, 93.6233, 99.7388

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 89.9239, 93.4628, 95.7387 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, 246, 240)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 240)  
}
```

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, 246, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 240) }
```

## Border

The CSS property to change the border of an element to XYZ 89.9239, 93.4628, 95.7387 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, 246, 240) }
```



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

```
.border{ border-color:rgb(255, 246, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 246, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 240);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
240) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.9239, 93.4628, 95.7387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 246, 240) }
```

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

```
.background{ background-color: rgb(255,  
246, 240) }
```

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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