

# Converting Colors

XYZ(92.8369, 93.1572, 94.4272)

Have a look what the booklet for  
XYZ(92.8369, 93.1572, 94.4272)  
contains.

<b>XYZ(88.5721, 90.9963, 94.5571)</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(88.5721, 90.9963,  
94.5571)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF2EF
RGB	255, 242, 239
RGB Percent	100%, 95%, 94%
CMY	0.0000, 0.0510, 0.0627
CMYK	0.00, 0.05, 0.06, 0.00
HSL	11°, 100%, 97%
HSV	11°, 6%, 100%
XYZ	88.5721, 90.9963, 94.5571
YIQ	245.5450, 8.7110, 1.8230

# Conversions

## Conversions Part 2

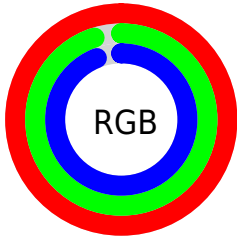
Format	Color
R <sub>Y</sub> B	255, 243, 239
Decimal	16773871
CIE Lab	96.41, 3.86, 2.99
CIE LCh	96, 4.884, 37.816
Yxy	90.9963, 0.3231, 0.3320
Android (android.graphics.Color)	4294963951 (0xFFFFF2EF)
YUV	245.5450, -3.2267, 8.2920
Hunter-Lab	95.3920, -1.1975, 8.0033

# Details

The XYZ color 88.5721, 90.9963, 94.5571 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 88.4561, 95.1890, 108.3189, and the grayscale version is 87.2522, 91.7961, 99.9660.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.3949, 50.5425, 51.9520 is the 20% darker color. If you saturate the color by 10%, you get 79.2485, 77.9585, 74.1558, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

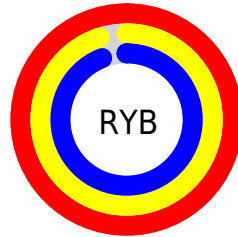
# Distribution



Red (100%)

Green (95%)

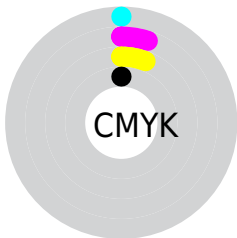
Blue (94%)



Red (100%)

Yellow (95%)

Blue (94%)

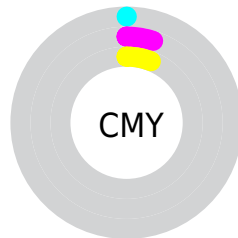


Cyan (0%)

Magenta (5%)

Yellow (6%)

Black (0%)



Cyan (0%)

Magenta (5%)


Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 88.5721, 90.9963, 94.5571 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 88.5721, 90.9963, 94.5571 by changing the saturation by 10% instead.




 88.5721, 90.9963,  
94.5571

 88.5721, 90.9963,  
94.5571

511.6823,  
531.2665, 563.6942

 67.1293, 68.8073,  
71.1716


144.2418,  
148.7215, 155.6429

 49.4608, 50.5548,  
51.9995


179.1995,  
185.0265, 194.1802

 35.2012, 35.8544,  
36.6224


219.3929,  
226.8056, 238.6052

 23.9852, 24.3218,  
24.6218

265.1873,  
274.4432, 289.3364

 15.4473, 15.5725,  
15.5791

316.9481,  
328.3237, 346.7924

 9.2223, 9.2221,  
9.0757

375.0406,

 4.9447, 4.8864,

388.8315, 411.3916

4.6931

439.8302,  
456.3509, 483.5527

■ 2.2493, 2.1807,  
2.0128

■ 0.7685, 0.7095,  
0.5631

■ 88.5721, 90.9963,  
94.5571

■ 88.5721, 90.9963,  
94.5571

■ 79.2485, 77.9585,  
74.1558

95.0500, 100.0000,  
108.9000

■ 71.1071, 66.4706,  
56.6602

■ 64.1019, 56.4778,  
41.9395

■ 58.1815, 47.9183,  
29.8502

■ 53.2903, 40.7255,  
20.2362

■ 49.3677, 34.8277,  
12.9249

■ 46.3463, 30.1463,  
7.7209

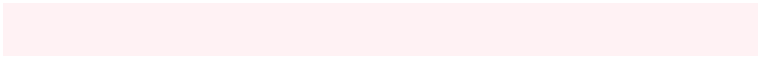
■ 44.1498, 26.5942,  
4.3965

■ 42.6873, 24.0712,  
2.6692

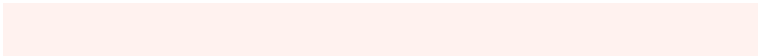
# Harmonies

## Analogous

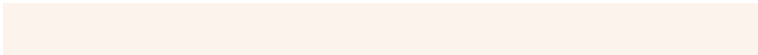
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.1066, 90.9963, 98.0643



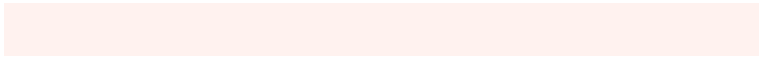
88.5721, 90.9963, 94.5571



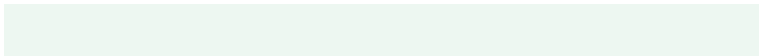
87.4807, 90.9963, 92.3035

# Triad

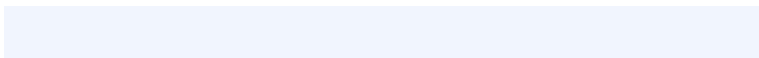
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.5721, 90.9963, 94.5571



84.0897, 90.9963, 96.2778



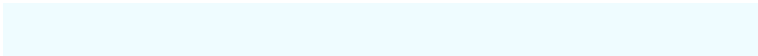
86.8455, 90.9963, 106.6879

# Complementary

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



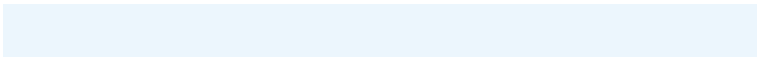
88.5721, 90.9963, 94.5571



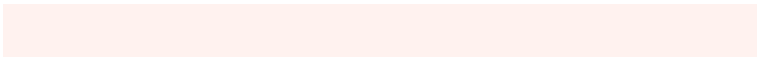
88.4561, 95.1890, 108.3189

# Split Complementary

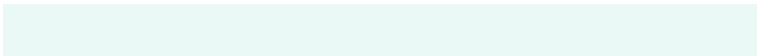
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.5054, 90.9963, 106.1792



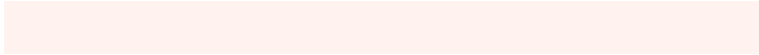
88.5721, 90.9963, 94.5571



83.9237, 90.9963, 100.1017

# Square

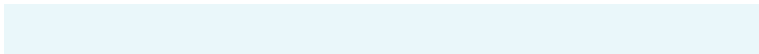
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.5721, 90.9963, 94.5571



84.8954, 90.9963, 93.2787



84.4393, 90.9963, 103.7438

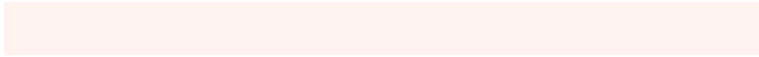


88.1029, 90.9963, 105.1160



# Rectangle

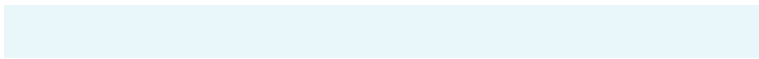
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.5721, 90.9963, 94.5571



86.5890, 90.9963, 91.7808



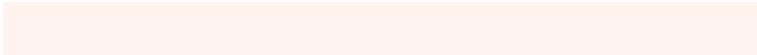
84.4393, 90.9963, 103.7438



86.3896, 90.9963, 106.7553

# Sweetspot

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



88.5742, 91.0000, 94.5590



92.9324, 97.0614, 104.1969



89.6883, 90.0265, 104.8009



19.9136, 20.8060, 22.3517



0.0000, 0.0000, 0.0000

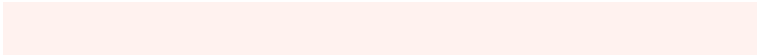


20.3446, 21.4041, 23.3091

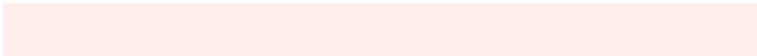


# Same Dimension

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



88.5742, 91.0000, 94.5590



86.8779, 88.6355, 90.8240



90.9853, 95.8222, 95.3627



18.2853, 18.5388, 18.7589



22.1772, 12.3656, 1.2179

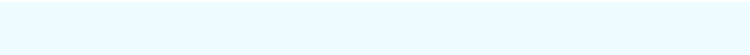


2.2293, 1.3439, 0.1419

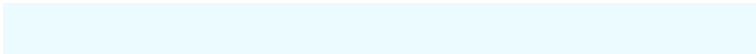


# Inverse Universe

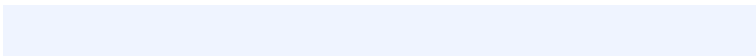
The Inverse Universe completely reimagines the original color for something new.



88.4561, 95.1890, 108.3189



86.7290, 93.9140, 108.1639



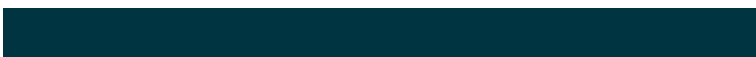
86.0182, 90.3132, 107.5063



18.2478, 19.8672, 23.1229



21.2083, 27.3262, 53.5913

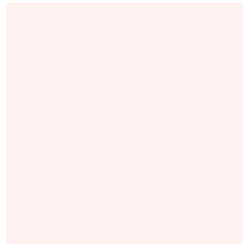


2.1364, 2.8035, 5.2418



# Previews

## White Background



This preview shows how the XYZ color 88.5721, 90.9963, 94.5571 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

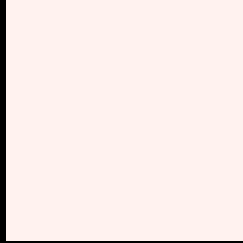
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 88.5721, 90.9963, 94.5571 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

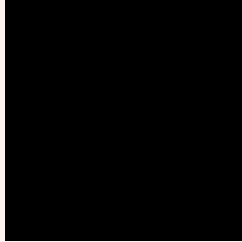
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

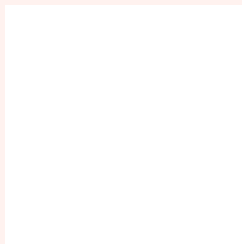
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 88.5721, 90.9963, 94.5571

## Background



This preview shows how black text looks on a background with the XYZ color 88.5721, 90.9963, 94.5571.



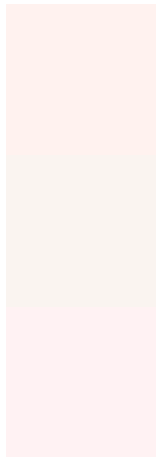
This preview shows how white text looks on a background with the XYZ color 88.5721, 90.9963,

94.571.

# 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

88.5721, 90.9963, 94.5571

### Protanopia

87.5032, 91.3166, 95.4520

### Deuteranopia

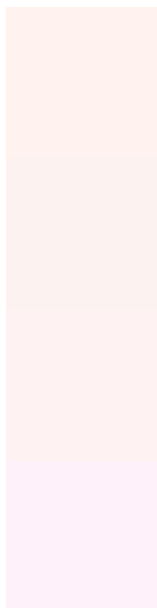
89.1698, 91.2353, 97.7044



## Tritanopia

90.4501, 90.8002, 107.3667

# Trichromacy



## Original Color

88.5721, 90.9963, 94.5571

## Protanomaly

87.9237, 91.0879, 95.3857

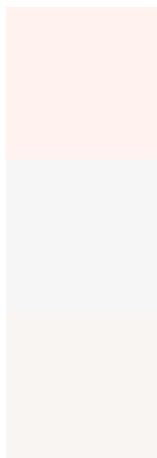
## Deuteranomaly

89.0191, 91.1751, 96.9111

## Tritanomaly

89.7942, 91.0101, 102.4566

# Monochromacy



## Original Color

88.5721, 90.9963, 94.5571

## Achromatopsia

87.5964, 92.1582, 100.3603

## Achromatomaly

87.8970, 91.9156, 97.9028

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 88.5721, 90.9963, 94.5571 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, 242, 239)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 239)  
}
```

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, 242, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 88.5721, 90.9963, 94.5571 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, 242, 239) }
```



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

```
.border{ border-color:rgb(255, 242, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 242, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 239);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
239) }
```

# Background

The CSS property to change the background color of an element to XYZ 88.5721, 90.9963, 94.5571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 239) }
```

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

```
.background{ background-color: rgb(255,  
242, 239) }
```

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