

# Converting Colors

XYZ(176.6680, 137.8943,  
96.4248)

Have a look what the booklet for  
XYZ(176.6680, 137.8943, 96.4248)  
contains.

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# **Color**

**XYZ(89.0327, 92.6209,  
92.5420)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF5EC
RGB	255, 245, 236
RGB Percent	100%, 96%, 93%
CMY	0.0000, 0.0392, 0.0745
CMYK	0.00, 0.04, 0.07, 0.00
HSL	28°, 100%, 96%
HSV	28°, 7%, 100%
XYZ	89.0327, 92.6209, 92.5420
YIQ	246.9640, 8.8490, -0.6790

# Conversions

## Conversions Part 2

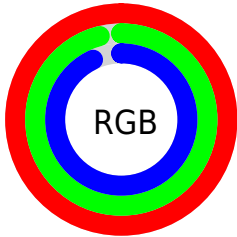
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 253, 236
Decimal	16774636
CIE Lab	97.07, 1.84, 5.51
CIE LCh	97, 5.805, 71.549
Yxy	92.6209, 0.3247, 0.3378
Android (android.graphics.Color)	4294964716 (0xFFFFF5EC)
YUV	246.9640, -5.4053, 7.0476
Hunter-Lab	96.2398, -3.2868, 10.3559

# Details

The XYZ color 89.0327, 92.6209, 92.5420 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 85.5971, 90.9621, 107.6537, and the grayscale version is 88.4182, 93.0229, 101.3019.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.7245, 51.6962, 50.5376 is the 20% darker color. If you saturate the color by 10%, you get 81.6774, 83.4219, 73.0982, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

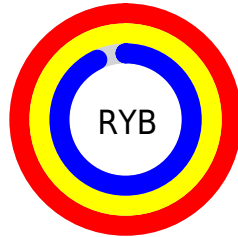
# Distribution



Red (100%)

Green (96%)

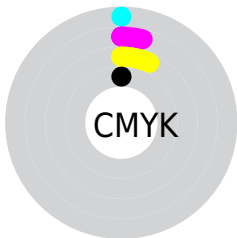
Blue (93%)



Red (100%)

Yellow (99%)

Blue (93%)

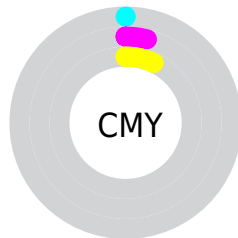


Cyan (0%)

Magenta (4%)

Yellow (7%)

Black (0%)



Cyan (0%)

Magenta (4%)


Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 89.0327, 92.6209, 92.5420 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 89.0327, 92.6209, 92.5420 by changing the saturation by 10% instead.




 89.0327, 92.6209,  
92.5420

 89.0327, 92.6209,  
92.5420


513.1641,  
536.5202, 557.0477

 67.5123, 70.1565,  
69.5053


144.8792,  
150.9737, 152.8306

 49.7733, 51.6541,  
50.6491


179.9360,  
187.6307, 190.9196

 35.4503, 36.7294,  
35.5546


220.2357,  
229.7875, 234.8631

 24.1781, 24.9981,  
23.8034

266.1436,  
277.8283, 285.0797

 15.5913, 16.0756,  
14.9770

318.0250,  
332.1376, 341.9880

 9.3244, 9.5777,  
8.6568

376.2453,

 5.0122, 5.1199,

393.0998, 406.0063

4.4243

441.1699,  
461.0991, 477.5534

■ 2.2892, 2.3178,  
1.8609

■ 0.7891, 0.7831,  
0.4677

■ 89.0327, 92.6209,  
92.5420

■ 89.0327, 92.6209,  
92.5420

■ 81.6774, 83.4219,  
73.0982

95.0500, 100.0000,  
108.9000

■ 75.1147, 74.9979,  
56.4170

■ 69.3164, 67.3302,  
42.3723

■ 64.2503, 60.3954,  
30.8260

■ 59.8811, 54.1684,  
21.6273

■ 56.1703, 48.6223,  
14.6085

■ 53.0749, 43.7280,  
9.5799

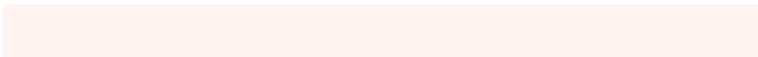
■ 50.5452, 39.4532,  
6.3178

■ 48.5182, 35.7594,  
4.5318

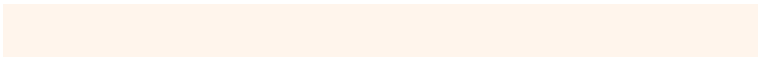
# Harmonies

## Analogous

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



90.4085, 92.6209, 94.9906



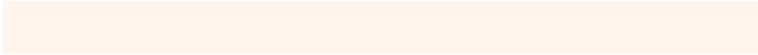
89.0327, 92.6209, 92.5420



87.4051, 92.6209, 92.2772

# Triad

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



89.0327, 92.6209, 92.5420



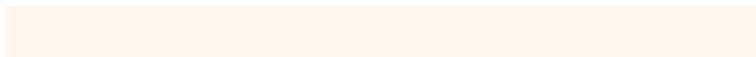
84.9873, 92.6209, 102.6627



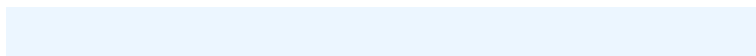
90.1362, 92.6209, 107.7417

# Complementary

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



89.0327, 92.6209, 92.5420



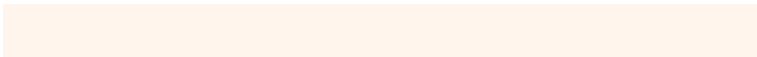
85.5971, 90.9621, 107.6537

# Split Complementary

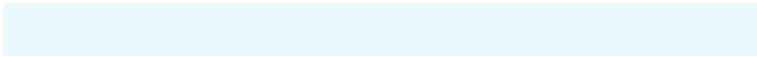
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.6646, 92.6209, 109.9346



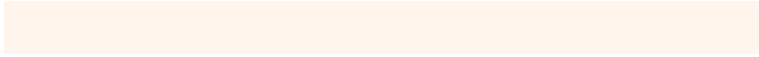
89.0327, 92.6209, 92.5420



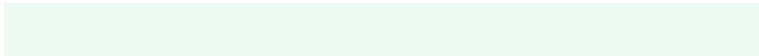
85.7002, 92.6209, 106.9422

# Square

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



89.0327, 92.6209, 92.5420



85.0831, 92.6209, 98.0240



87.0416, 92.6209, 109.6376

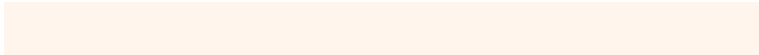


91.0511, 92.6209, 103.7266



# Rectangle

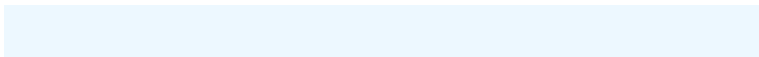
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.0327, 92.6209, 92.5420



86.3978, 92.6209, 93.3645



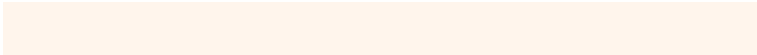
87.0416, 92.6209, 109.6376



89.6895, 92.6209, 108.7220

# Sweetspot

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



89.0348, 92.6247, 92.5440



93.3897, 97.9760, 104.3494



87.8911, 87.9140, 99.6335



20.0067, 20.9922, 22.3827



0.0000, 0.0000, 0.0000

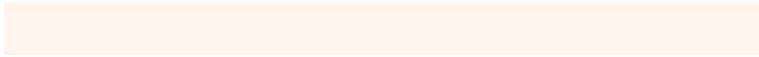


20.3446, 21.4041, 23.3091

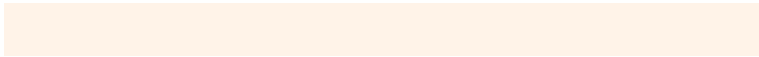


# Same Dimension

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



89.0348, 92.6247, 92.5440



87.8414, 91.1467, 89.3445



91.9389, 98.4328, 93.5120



18.7194, 19.4070, 18.9036



25.2595, 18.5302, 2.2454

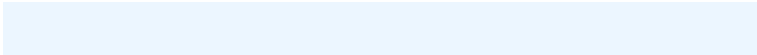


2.5679, 2.0211, 0.2548

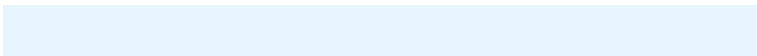


# Inverse Universe

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



85.5971, 90.9621, 107.6537



83.7326, 89.1595, 107.4041



82.8213, 85.4104, 106.7285



17.7939, 18.9594, 22.9716



14.0471, 13.0037, 51.2042

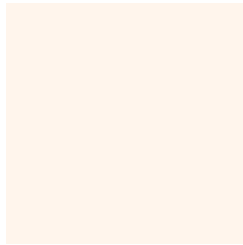


1.4772, 1.4850, 5.0221



# Previews

## White Background



This preview shows how the XYZ color 89.0327, 92.6209, 92.5420 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

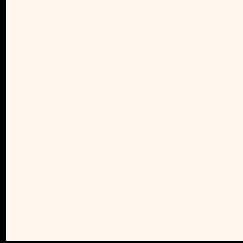
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.0327, 92.6209, 92.5420 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

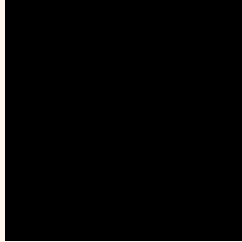
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

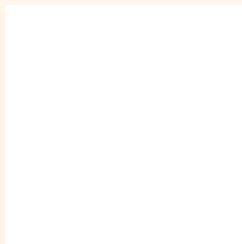
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 89.0327, 92.6209, 92.5420

## Background



This preview shows how black text looks on a background with the XYZ color 89.0327, 92.6209, 92.5420.



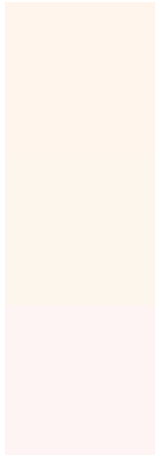
This preview shows how white text looks on a background with the XYZ color 89.0327, 92.6209,

92.5420.

# 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

89.0327, 92.6209, 92.5420

### Protanopia

88.6041, 92.8503, 92.6088

### Deuteranopia

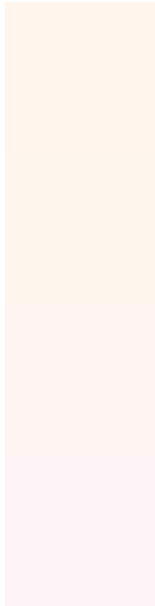
89.9198, 92.4930, 98.7016



## Tritanopia

90.9736, 92.3920, 107.6464

# Trichromacy



## Original Color

89.0327, 92.6209, 92.5420

## Protanomaly

88.9691, 93.0385, 92.6259

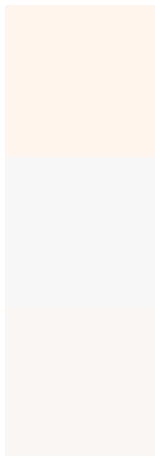
## Deuteranomaly

89.4679, 92.3122, 96.3217

## Tritanomaly

90.1670, 92.5495, 101.9185

# Monochromacy



## Original Color

89.0327, 92.6209, 92.5420

## Achromatopsia

88.4070, 93.0111, 101.2891

## Achromatomaly

88.5578, 92.7066, 98.0207

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 89.0327, 92.6209, 92.5420 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, 245, 236) looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 236)  
}
```

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, 245, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 236) }
```

## Border

The CSS property to change the border of an element to XYZ 89.0327, 92.6209, 92.5420 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, 245, 236) }
```



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

```
.border{ border-color:rgb(255, 245, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 245, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
236) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.0327, 92.6209, 92.5420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 245, 236) }
```

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

```
.background{ background-color: rgb(255,  
245, 236) }
```

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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