

# Converting Colors

XYZ(88.9497, 97.2569, 90.4669)

Have a look what the booklet for  
XYZ(88.9497, 97.2569, 90.4669)  
contains.

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# Color

**XYZ(89.0369, 97.3027,  
90.4325)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8FFE8
RGB	248, 255, 232
RGB Percent	97%, 100%, 91%
CMY	0.0274, 0.0000, 0.0902
CMYK	0.03, 0.00, 0.09, 0.00
HSL	78°, 100%, 95%
HSV	78°, 9%, 100%
XYZ	89.0369, 97.3027, 90.4325
YIQ	250.2850, 3.2110, -8.6370

# Conversions

## Conversions Part 2

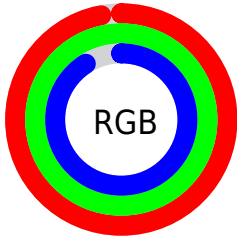
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	232, 255, 239
Decimal	16318440
CIE Lab	98.95, -6.23, 10.19
CIE LCh	99, 11.943, 121.456
Yxy	97.3027, 0.3217, 0.3516
Android (android.graphics.Color)	4294508520 (0xFFFF8FFE8)
YUV	250.2850, -9.0145, -2.0039
Hunter-Lab	98.6421, -11.5051, 14.6940

# Details

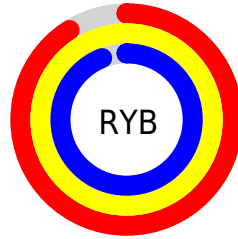
The XYZ color 89.0369, 97.3027, 90.4325 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 82.5040, 83.2852, 106.3350, and the grayscale version is 91.1717, 95.9197, 104.4565.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.7688, 54.7292, 49.0150 is the 20% darker color. If you saturate the color by 10%, you get 82.9787, 94.5682, 72.5928, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

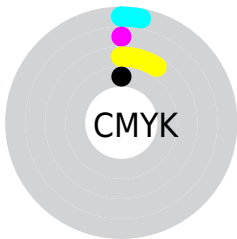
# Distribution



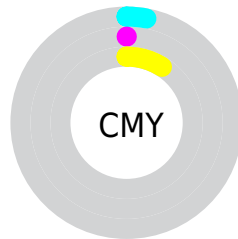
- Red (97%)
- Green (100%)
- Blue (91%)



- Red (91%)
- Yellow (100%)
- Blue (94%)



- Cyan (3%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)




- Cyan (3%)
- Magenta (0%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 89.0369, 97.3027, 90.4325 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 89.0369, 97.3027, 90.4325 by changing the saturation by 10% instead.




 89.0369, 97.3027,  
90.4325

 89.0369, 97.3027,  
90.4325


513.1776,  
551.5108, 550.0431

 67.5158, 74.0530,  
67.7637


144.8850,  
157.4421, 149.8798

 49.7761, 54.8374,  
49.2400


179.9428,  
195.1005, 187.4953

 35.4526, 39.2716,  
34.4430


220.2434,  
238.3307, 230.9302

 24.1799, 26.9711,  
22.9540

266.1523,  
287.5169, 280.6029

 15.5926, 17.5515,  
14.3546

318.0348,  
343.0437, 336.9320

 9.3253, 10.6285,  
8.2261

376.2563,

 5.0128, 5.8176,

405.2953, 400.3360

4.1501

441.1821,  
474.6562, 471.2336

■ 2.2896, 2.7345,  
1.7081

■ 0.7893, 0.9947,  
0.3662

■ 89.0369, 97.3027,  
90.4325

■ 89.0369, 97.3027,  
90.4325

■ 82.9787, 94.5682,  
72.5928

95.0500, 100.0000,  
108.9000

■ 77.5357, 92.0927,  
57.4062

■ 72.6830, 89.8662,  
44.7469

■ 68.3929, 87.8774,  
34.4771

■ 64.6355, 86.1143,  
26.4458

■ 61.3773, 84.5631,  
20.4849

■ 58.5803, 83.2087,  
16.4024

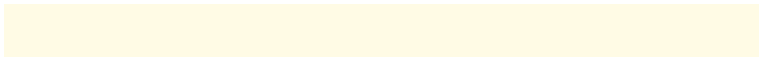
■ 56.1999, 82.0329,  
13.9706

■ 54.1705, 81.0094,  
12.8531

# Harmonies

## Analogous

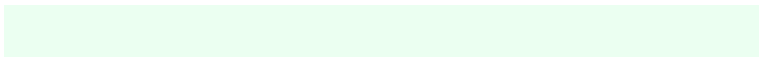
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.3135, 97.3027, 87.9286



89.0369, 97.3027, 90.4325



86.7317, 97.3027, 97.0547

# Triad

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



89.0369, 97.3027, 90.4325



89.3242, 97.3027, 123.6784



99.3316, 97.3027, 105.4601

# Complementary

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



89.0369, 97.3027, 90.4325



82.5040, 83.2852, 106.3350

# Split Complementary

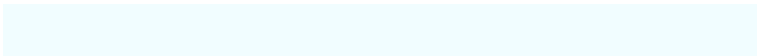
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



98.4837, 97.3027, 115.3646



89.0369, 97.3027, 90.4325



92.6534, 97.3027, 126.2706

# Square

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



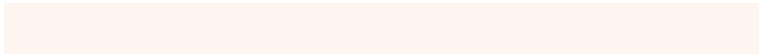
89.0369, 97.3027, 90.4325



86.8946, 97.3027, 116.2592



96.0175, 97.3027, 123.1396



98.3066, 97.3027, 96.2617

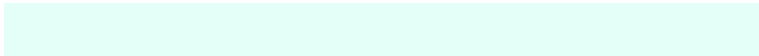


# Rectangle

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



89.0369, 97.3027, 90.4325



86.0259, 97.3027, 103.1258



96.0175, 97.3027, 123.1396



99.2560, 97.3027, 108.8173

# Sweetspot

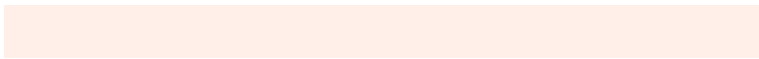
The Sweet Spot groups the original color and five complimentary colors.



89.0376, 97.3030, 90.4340



92.9913, 99.0782, 102.5020



86.6434, 88.7616, 88.9115



19.7883, 21.1550, 21.5829



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

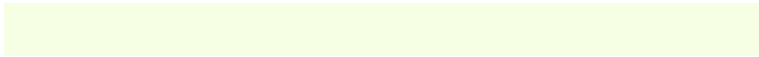


# Same Dimension

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



89.0376, 97.3030, 90.4340



87.7872, 96.7401, 86.6827



85.1179, 95.2823, 90.2505



18.9916, 20.7971, 19.1576



28.3659, 42.3613, 6.6815



2.8731, 4.1819, 0.6558



# Inverse Universe

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



82.5040, 83.2852, 106.3350



79.9271, 79.8759, 105.8127



86.4751, 85.3324, 106.5208



17.5228, 17.6457, 22.7324



11.1882, 4.6782, 49.7479

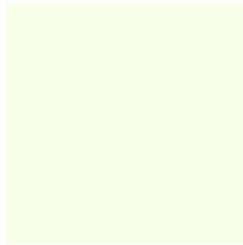


1.1948, 0.5098, 4.8487



# Previews

## White Background



This preview shows how the XYZ color 89.0369, 97.3027, 90.4325 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

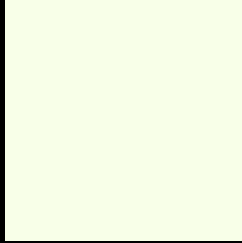
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.0369, 97.3027, 90.4325 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

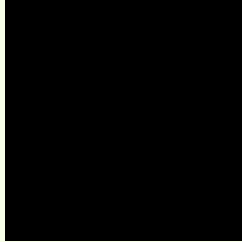
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

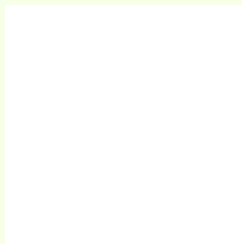
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 89.0369, 97.3027, 90.4325

## Background



This preview shows how black text looks on a background with the XYZ color 89.0369, 97.3027, 90.4325.



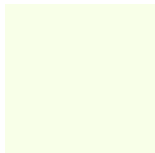
This preview shows how white text looks on a background with the XYZ color 89.0369, 97.3027,

90.425.

# 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

89.0369, 97.3027, 90.4325



### Protanopia

92.5318, 97.4734, 100.3235

### Deuteranopia

92.9925, 97.1565, 104.2943

## **Tritanopia**

92.6921, 96.9098, 108.4278

# Trichromacy



**Original Color**

89.0369, 97.3027, 90.4325

**Protanomaly**

90.9983, 97.2373, 96.4106

**Deuteranomaly**

91.1329, 96.7873, 98.6726

**Tritanomaly**

91.3826, 96.8454, 101.8723

# Monochromacy



**Original Color**

89.0369, 97.3027, 90.4325

**Achromatopsia**

90.8653, 95.5973, 104.1055

**Achromatomaly**

90.0550, 96.2316, 98.6222

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 89.0369, 97.3027, 90.4325 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(248, 255, 232) looks like.

```
.text, #text, p{  
    color:rgb(248, 255, 232)  
}
```

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(248, 255, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 255, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 89.0369, 97.3027, 90.4325 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(248, 255, 232) }
```



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

```
.border{ border-color:rgb(248, 255, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 255, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 255, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 255, 232);  
box-shadow:4px 4px 4px 4px rgb(248, 255,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.0369, 97.3027, 90.4325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 255, 232) }
```

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

```
.background{ background-color: rgb(248,  
255, 232) }
```

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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