

# Converting Colors

XYZ(89.0336, 97.3417, 88.5916)

Have a look what the booklet for  
XYZ(89.0336, 97.3417, 88.5916)  
contains.

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# Color

**XYZ(89.1098, 97.3729,  
88.9612)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F9FFE6
RGB	249, 255, 230
RGB Percent	98%, 100%, 90%
CMY	0.0235, 0.0000, 0.0980
CMYK	0.02, 0.00, 0.10, 0.00
HSL	74°, 100%, 95%
HSV	74°, 10%, 100%
XYZ	89.1098, 97.3729, 88.9612
YIQ	250.3560, 4.4490, -9.0470

# Conversions

## Conversions Part 2

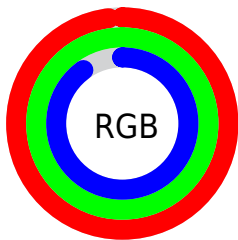
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	230, 255, 236
Decimal	16383974
CIE Lab	98.98, -6.22, 11.26
CIE LCh	99, 12.864, 118.907
Yxy	97.3729, 0.3235, 0.3535
Android (android.graphics.Color)	4294574054 (0xFFFF9FFE6)
YUV	250.3560, -10.0355, -1.1892
Hunter-Lab	98.6777, -11.4936, 15.6225

# Details

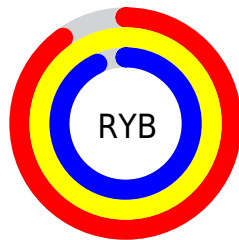
The XYZ color 89.1098, 97.3729, 88.9612 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 80.9398, 81.6478, 106.1014, and the grayscale version is 91.2378, 95.9893, 104.5324.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.8264, 54.7816, 47.9922 is the 20% darker color. If you saturate the color by 10%, you get 83.6407, 94.9374, 71.3593, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

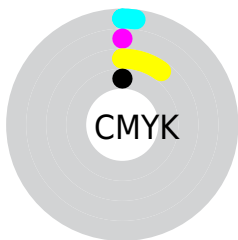
# Distribution



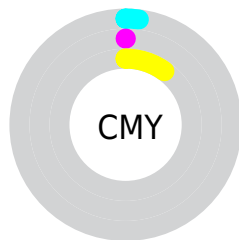
- Red (98%)
- Green (100%)
- Blue (90%)



- Red (90%)
- Yellow (100%)
- Blue (93%)



- Cyan (2%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)




- Cyan (2%)
- Magenta (0%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 89.1098, 97.3729, 88.9612 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 89.1098, 97.3729, 88.9612 by changing the saturation by 10% instead.




 89.1098, 97.3729,  
88.9612

 89.1098, 97.3729,  
88.9612

513.4120,  
551.7340, 545.1285

 67.5764, 74.1115,  
66.5505


144.9859,  
157.5388, 147.8175

 49.8256, 54.8853,  
48.2602


180.0593,  
195.2121, 185.1002

 35.4921, 39.3099,  
33.6715


220.3767,  
238.4582, 228.1774

 24.2105, 27.0009,  
22.3660

266.3036,  
287.6615, 277.4675

 15.6154, 17.5739,  
13.9252

318.2051,  
343.2063, 333.3891

 9.3415, 10.6445,  
7.9305

376.4468,

 5.0235, 5.8283,

405.4770, 396.3608

3.9634

441.3940,  
474.8581, 466.8011

■ 2.2960, 2.7410,  
1.6053

■ 0.7926, 0.9980,  
0.2946

■ 89.1098, 97.3729,  
88.9612

■ 89.1098, 97.3729,  
88.9612

■ 83.6407, 94.9374,  
71.3593

95.0500, 100.0000,  
108.9000

■ 78.7426, 92.7384,  
56.3990

■ 74.3911, 90.7661,  
43.9536

■ 70.5593, 89.0096,  
33.8845

■ 67.2176, 87.4571,  
26.0395

■ 64.3331, 86.0952,  
20.2489

■ 61.8681, 84.9089,  
16.3186

■ 59.7781, 83.8802,  
14.0173

■ 57.9919, 82.9807,  
12.9748

# Harmonies

## Analogous

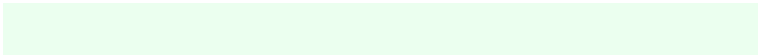
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.6875, 97.3729, 86.6963



89.1098, 97.3729, 88.9612



86.5147, 97.3729, 95.7167

# Triad

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



89.1098, 97.3729, 88.9612



88.8779, 97.3729, 124.6975



99.9442, 97.3729, 106.4167

# Complementary

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



89.1098, 97.3729, 88.9612



80.9398, 81.6478, 106.1014

# Split Complementary

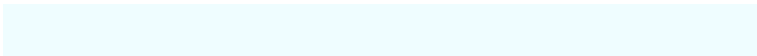
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



98.8597, 97.3729, 117.0427



89.1098, 97.3729, 88.9612



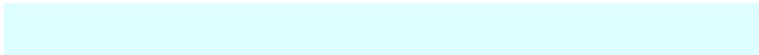
92.4126, 97.3729, 128.0266

# Square

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



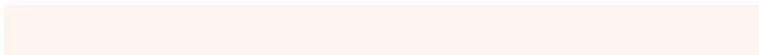
89.1098, 97.3729, 88.9612



86.3834, 97.3729, 116.3160



96.0777, 97.3729, 125.1367



99.0034, 97.3729, 96.3550

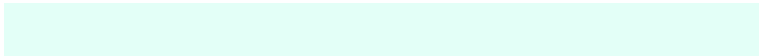


# Rectangle

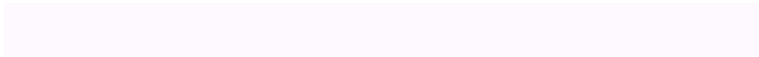
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.1098, 97.3729, 88.9612



85.6564, 97.3729, 102.1008



96.0777, 97.3729, 125.1367



99.8039, 97.3729, 110.0434

# Sweetspot

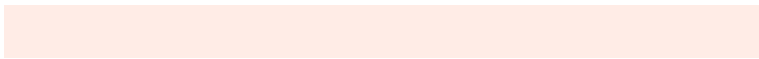
The Sweet Spot groups the original color and five complimentary colors.



89.1105, 97.3732, 88.9627



93.1704, 99.1705, 102.5103



85.4711, 86.8691, 87.1270



19.8368, 21.1799, 21.5852



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

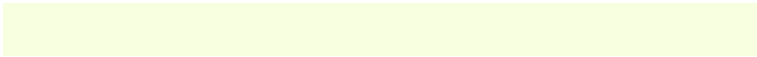


# Same Dimension

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



89.1105, 97.3732, 88.9627



87.8587, 96.8173, 84.8627



84.8575, 95.1807, 88.7636



19.1102, 20.8582, 19.1632



30.4249, 43.4227, 6.7779



3.0597, 4.2781, 0.6645



# Inverse Universe

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



80.9398, 81.6478, 106.1014



78.0087, 77.8595, 105.5246



85.1772, 83.8323, 106.2997



17.4111, 17.5881, 22.7271



10.5535, 4.3510, 49.7182

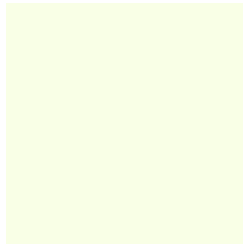


1.1202, 0.4714, 4.8452



# Previews

## White Background



This preview shows how the XYZ color 89.1098, 97.3729, 88.9612 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

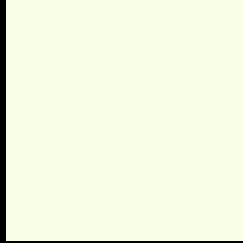
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.1098, 97.3729, 88.9612 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

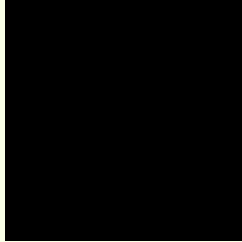
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 89.1098, 97.3729, 88.9612

## Background



This preview shows how black text looks on a background with the XYZ color 89.1098, 97.3729, 88.9612.



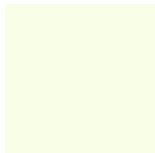
This preview shows how white text looks on a background with the XYZ color 89.1098, 97.3729,

88.9612.

# 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

89.1098, 97.3729, 88.9612



### Protanopia

92.5318, 97.4734, 100.3235

### Deuteranopia

92.9925, 97.1565, 104.2943

## Tritanopia

93.0053, 97.5363, 108.5322

# Trichromacy



**Original Color**

89.1098, 97.3729, 88.9612

**Protanomaly**

91.3615, 97.4245, 96.4276

**Deuteranomaly**

91.4961, 96.9745, 98.6896

**Tritanomaly**

91.5435, 97.4136, 101.1666

# Monochromacy



**Original Color**

89.1098, 97.3729, 88.9612

**Achromatopsia**

90.8653, 95.5973, 104.1055

**Achromatomaly**

90.4124, 96.4159, 98.6389

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 89.1098, 97.3729, 88.9612 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(249, 255, 230)` looks like.

```
.text, #text, p{  
    color:rgb(249, 255, 230)  
}
```

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(249, 255, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 255, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 89.1098, 97.3729, 88.9612 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(249, 255, 230) }
```



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

```
.border{ border-color:rgb(249, 255, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 255, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 255, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 255, 230);  
box-shadow:4px 4px 4px 4px rgb(249, 255,  
230) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.1098, 97.3729, 88.9612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 255, 230) }
```

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

```
.background{ background-color: rgb(249,  
255, 230) }
```

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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