

# Converting Colors

XYZ(89.8801, 96.2445, 93.9606)

Have a look what the booklet for  
XYZ(89.8801, 96.2445, 93.9606)  
contains.

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# **Color**

**XYZ(89.8801, 96.2445,  
93.9606)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBFCED
RGB	251, 252, 237
RGB Percent	98%, 99%, 93%
CMY	0.0157, 0.0117, 0.0706
CMYK	0.00, 0.00, 0.06, 0.01
HSL	64°, 71%, 96%
HSV	64°, 6%, 99%
XYZ	89.8801, 96.2445, 93.9606
YIQ	249.9910, 4.2190, -4.8770

# Conversions

## Conversions Part 2

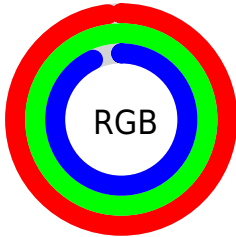
Format	Color
R <sub>Y</sub> B	237, 252, 238
Decimal	16514285
CIE Lab	98.53, -2.89, 7.05
CIE LCh	99, 7.623, 112.283
Yxy	96.2445, 0.3209, 0.3436
Android (android.graphics.Color)	4294704365 (0xFFFBFCED)
YUV	249.9910, -6.4046, 0.8849
Hunter-Lab	98.1043, -8.1463, 11.8873

# Details

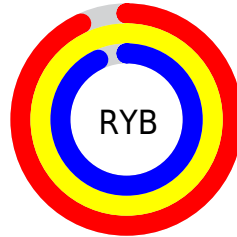
The XYZ color 89.8801, 96.2445, 93.9606 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 83.1186, 85.7764, 104.2763, and the grayscale version is 90.9100, 95.6444, 104.1568.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.1037, 53.8357, 51.4666 is the 20% darker color. If you saturate the color by 10%, you get 85.8496, 94.5655, 75.8842, and if you desaturate by 10%, it is 93.2573, 97.6690, 108.5446.

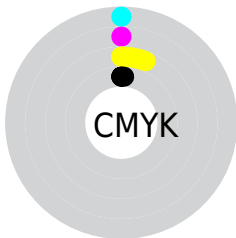
# Distribution



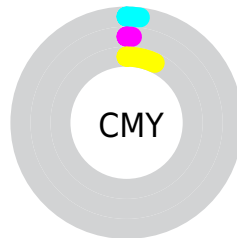
- Red (98%)
- Green (99%)
- Blue (93%)



- Red (93%)
- Yellow (99%)
- Blue (93%)



- Cyan (0%)
- Magenta (0%)
- Yellow (6%)
- Black (1%)




- Cyan (2%)
- Magenta (1%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 89.8801, 96.2445, 93.9606 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 89.8801, 96.2445, 93.9606 by changing the saturation by 10% instead.




 89.8801, 96.2445,  
93.9606

 89.8801, 96.2445,  
93.9606

515.8845,  
548.1415, 561.7312

 68.2172, 73.1712,  
70.6781


146.0510,  
155.9828, 154.8110

 50.3487, 54.1160,  
51.5993


181.2897,  
193.4166, 193.2161

 35.9095, 38.6944,  
36.3058


221.7844,  
236.4061, 237.4990

 24.5341, 26.5221,  
24.3789

267.9003,  
285.3355, 288.0784

 15.8572, 17.2146,  
15.4001

320.0030,  
340.5894, 345.3727

 9.5133, 10.3876,  
8.9509

378.4576,

 5.1373, 5.6567,

402.5521, 409.8006

4.6128

443.6297,  
471.6080, 481.7806

■ 2.3636, 2.6375,  
1.9672

■ 0.8269, 0.9455,  
0.5350

■ 89.8801, 96.2445,  
93.9606

■ 89.8801, 96.2445,  
93.9606

■ 85.8496, 94.5655,  
75.8842

■ 93.2573, 97.6690,  
108.5446

■ 82.3179, 93.0835,  
60.4181

■ 93.8736, 97.9868,  
108.5734

■ 79.2647, 91.7935,  
47.4437

■ 94.1023, 98.1047,  
108.5841

■ 76.6652, 90.6857,  
36.8303

■ 74.4924, 89.7491,  
28.4357

■ 72.7163, 88.9718,  
22.1022

■ 71.3031, 88.3403,  
17.6516

■ 70.2130, 87.8387,  
14.8751

■ 69.3970, 87.4473,  
13.5142

# Harmonies

## Analogous

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



92.0477, 96.2445, 93.2220



89.8801, 96.2445, 93.9606



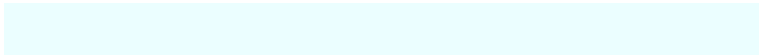
88.1662, 96.2445, 97.5436

# Triad

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



89.8801, 96.2445, 93.9606



88.9096, 96.2445, 114.6901



95.7412, 96.2445, 106.4319

# Complementary

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



89.8801, 96.2445, 93.9606



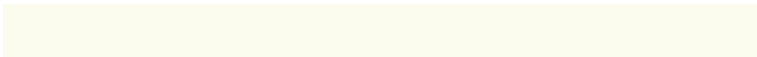
83.1186, 85.7764, 104.2763

# Split Complementary

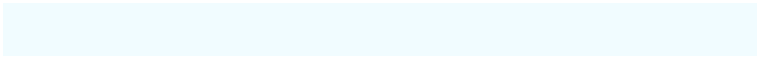
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.8707, 96.2445, 112.3949



89.8801, 96.2445, 93.9606



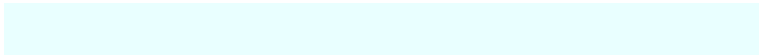
90.9097, 96.2445, 117.2858

# Square

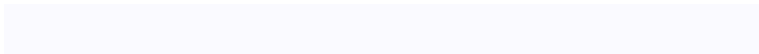
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



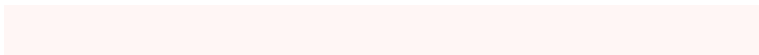
89.8801, 96.2445, 93.9606



87.6122, 96.2445, 109.4633



93.0937, 96.2445, 116.4294



95.4549, 96.2445, 100.2592



# Rectangle

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



89.8801, 96.2445, 93.9606



87.5000, 96.2445, 101.1440



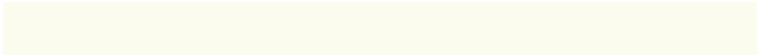
93.0937, 96.2445, 116.4294



95.5737, 96.2445, 108.5306

# Sweetspot

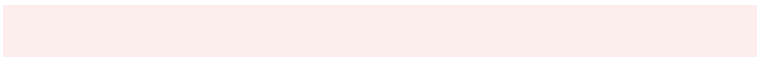
The Sweet Spot groups the original color and five complimentary colors.



89.8828, 96.2487, 93.9627



94.1141, 99.6111, 104.6268



86.0086, 87.9614, 92.5673



20.1541, 21.3250, 22.4392



0.0000, 0.0000, 0.0000

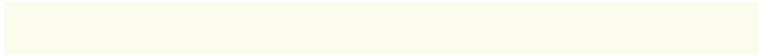


20.3446, 21.4041, 23.3091



# Same Dimension

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



89.8828, 96.2487, 93.9627



91.8695, 98.6771, 94.4403



87.2349, 94.8837, 93.8388



18.7719, 20.1973, 19.1149



36.0513, 45.5034, 6.8829



3.3725, 4.2317, 0.6390



# Inverse Universe

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



83.1186, 85.7764, 104.2763



83.7537, 86.1123, 106.8148



85.6888, 87.1014, 104.3966



16.9765, 17.4176, 21.8525



9.3135, 3.7440, 48.2053

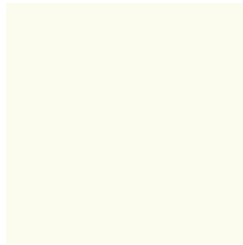


0.8990, 0.3655, 4.4663



# Previews

## White Background



This preview shows how the XYZ color 89.8801, 96.2445, 93.9606 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

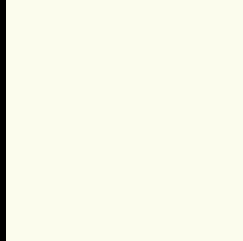
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.8801, 96.2445, 93.9606 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

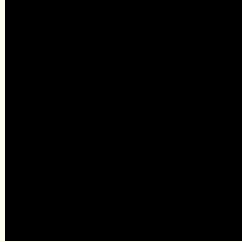
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 89.8801, 96.2445, 93.9606

## Background



This preview shows how black text looks on a background with the XYZ color 89.8801, 96.2445, 93.9606.



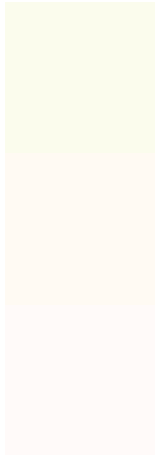
This preview shows how white text looks on a background with the XYZ color 89.8801, 96.2445,



# 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

89.8801, 96.2445, 93.9606

### Protanopia

91.6033, 96.1023, 98.5156

### Deuteranopia

92.5245, 96.4708, 103.3667

## **Tritanopia**

92.3805, 96.2867, 108.3240

# Trichromacy

## Original Color

89.8801, 96.2445, 93.9606

## Protanomaly

91.2474, 96.4161, 97.0200

## Deuteranomaly

91.8517, 96.6578, 100.2019

## Tritanomaly

91.5853, 96.4671, 102.5999

# Monochromacy

## Original Color

89.8801, 96.2445, 93.9606

## Achromatopsia

90.8653, 95.5973, 104.1055

## Achromatomaly

90.4030, 95.9109, 100.1341

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 89.8801, 96.2445, 93.9606 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(251, 252, 237) looks like.

```
.text, #text, p{  
    color:rgb(251, 252, 237)  
}
```

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(251, 252, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 252, 237) }
```

## Border

The CSS property to change the border of an element to XYZ 89.8801, 96.2445, 93.9606 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(251, 252, 237) }
```



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

```
.border{ border-color:rgb(251, 252, 237) }
```

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

Here you see how a box with a 4 pixel rgb(251, 252, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 252, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 252, 237);  
box-shadow:4px 4px 4px 4px rgb(251, 252,  
237) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.8801, 96.2445, 93.9606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 252, 237) }
```

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

```
.background{ background-color: rgb(251,  
252, 237) }
```

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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