

# Converting Colors

XYZ(90.3122, 100.0000,  
98.1067)

Have a look what the booklet for  
XYZ(90.3122, 100.0000, 98.1067)  
contains.

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# **Color**

**XYZ(88.5993, 96.9256,  
97.2579)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3FFF1
RGB	243, 255, 241
RGB Percent	95%, 100%, 95%
CMY	0.0471, 0.0000, 0.0549
CMYK	0.05, 0.00, 0.05, 0.00
HSL	111°, 100%, 97%
HSV	111°, 5%, 100%
XYZ	88.5993, 96.9256, 97.2579
YIQ	249.8160, -2.6580, -6.8980

# Conversions

## Conversions Part 2

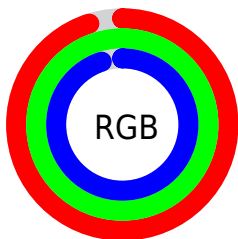
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	241, 255, 253
Decimal	15990769
CIE Lab	98.80, -6.39, 5.32
CIE LCh	99, 8.316, 140.260
Yxy	96.9256, 0.3133, 0.3428
Android (android.graphics.Color)	4294180849 (0xFFFF3FFF1)
YUV	249.8160, -4.3463, -5.9776
Hunter-Lab	98.4508, -11.6505, 10.3440

# Details

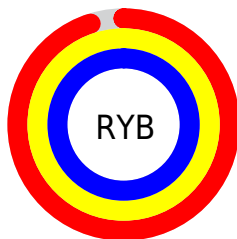
The XYZ color 88.5993, 96.9256, 97.2579 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 90.0140, 91.0144, 107.4310, and the grayscale version is 90.7502, 95.4763, 103.9736.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.4446, 54.4557, 53.8039 is the 20% darker color. If you saturate the color by 10%, you get 77.9529, 91.8469, 78.2483, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

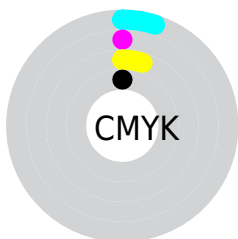
# Distribution



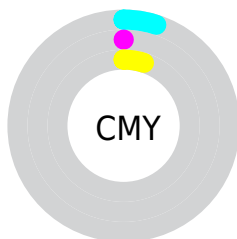
- Red (95%)
- Green (100%)
- Blue (95%)



- Red (95%)
- Yellow (100%)
- Blue (99%)



- Cyan (5%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)




- Cyan (5%)
- Magenta (0%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 88.5993, 96.9256, 97.2579 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 88.5993, 96.9256, 97.2579 by changing the saturation by 10% instead.




 88.5993, 96.9256,  
97.2579

 88.5993, 96.9256,  
97.2579


511.7699,  
550.3114, 572.5364

 67.1519, 73.7387,  
73.4084


144.2795,  
156.9222, 159.4026

 49.4793, 54.5802,  
53.8161


179.2430,  
194.5007, 198.5349

 35.2159, 39.0657,  
38.0625


219.4427,  
237.6452, 243.5986

 23.9965, 26.8108,  
25.7290

265.2438,  
286.7401, 295.0122

 15.4558, 17.4312,  
16.3971

317.0117,  
342.1698, 353.1942

 9.2283, 10.5424,  
9.6482

375.1118,

 4.9487, 5.7600,

404.3186, 418.5632

5.0638

439.9094,  
473.5710, 491.5378

■ 2.2516, 2.6997,  
2.2253

■ 0.7697, 0.9771,  
0.6889

■ 88.5993, 96.9256,  
97.2579

■ 88.5993, 96.9256,  
97.2579

■ 77.9529, 91.8469,  
78.2483

95.0500, 100.0000,  
108.9000

■ 68.6837, 87.4191,  
61.9698

■ 60.7355, 83.6160,  
48.2985

■ 54.0478, 80.4093,  
37.0987

■ 48.5549, 77.7684,  
28.2230

■ 44.1853, 75.6599,  
21.5079

■ 40.8597, 74.0469,  
16.7689

■ 38.4877, 72.8876,  
13.7906

■ 36.9629, 72.1328,  
12.3069

# Harmonies

## Analogous

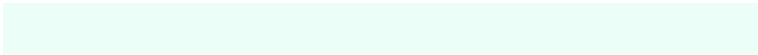
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.5259, 96.9256, 93.5419



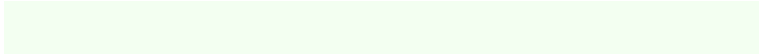
88.5993, 96.9256, 97.2579



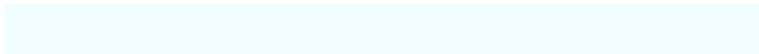
87.6226, 96.9256, 103.3011

# Triad

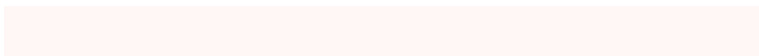
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.5993, 96.9256, 97.2579



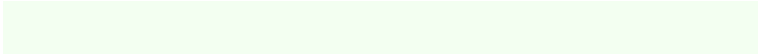
91.3413, 96.9256, 119.1961



96.5512, 96.9256, 100.9960

# Complementary

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



88.5993, 96.9256, 97.2579



90.0140, 91.0144, 107.4310

# Split Complementary

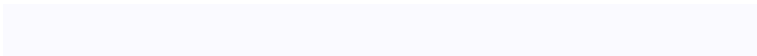
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.7788, 96.9256, 107.8019



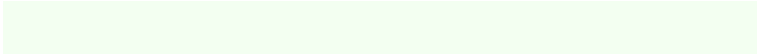
88.5993, 96.9256, 97.2579



93.7426, 96.9256, 118.5128

# Square

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



88.5993, 96.9256, 97.2579



89.1873, 96.9256, 116.0981



95.7428, 96.9256, 114.2699



95.1262, 96.9256, 95.6338



# Rectangle

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



88.5993, 96.9256, 97.2579



87.6297, 96.9256, 107.9226



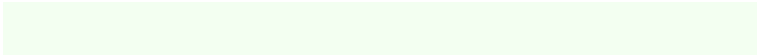
95.7428, 96.9256, 114.2699



96.7713, 96.9256, 103.1839

# Sweetspot

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



88.6001, 96.9259, 97.2594



92.6496, 98.8562, 104.5583



92.2113, 97.7986, 97.2375



19.8560, 21.1713, 22.4252



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.



88.6001, 96.9259, 97.2594



86.9013, 96.1159, 94.2078



88.6556, 96.8688, 101.1342



18.4571, 20.5044, 19.9072



19.1458, 37.6081, 6.2500



1.9333, 3.6974, 0.6118



# Inverse Universe

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



90.0140, 91.0144, 107.4310



88.6858, 88.6549, 107.0456



89.9669, 91.0801, 103.3637



18.8703, 18.7769, 22.8797



24.7272, 11.6578, 50.3815

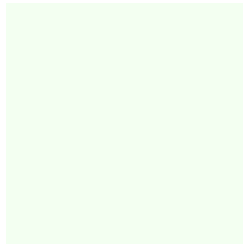


2.4744, 1.1695, 4.9086



# Previews

## White Background



This preview shows how the XYZ color 88.5993, 96.9256, 97.2579 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

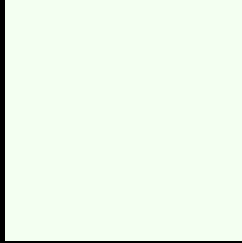
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 88.5993, 96.9256, 97.2579 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

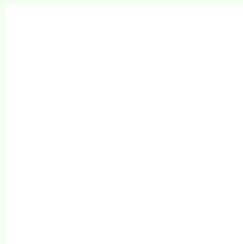
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 88.5993, 96.9256, 97.2579**

## **Background**



This preview shows how black text looks on a background with the XYZ color 88.5993, 96.9256, 97.2579.



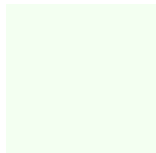
This preview shows how white text looks on a background with the XYZ color 88.5993, 96.9256,

97.279.

# 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

88.5993, 96.9256, 97.2579



### Protanopia

92.2186, 96.8469, 100.2191

### Deuteranopia

92.6809, 96.5333, 104.1905

## **Tritanopia**

92.3308, 96.7236, 108.4109

# Trichromacy



**Original Color**

88.5993, 96.9256, 97.2579

**Protanomaly**

90.9232, 96.6617, 99.4534

**Deuteranomaly**

91.3826, 96.8454, 101.8723

**Tritanomaly**

90.7771, 96.4794, 104.2804

# Monochromacy



**Original Color**

88.5993, 96.9256, 97.2579

**Achromatopsia**

90.8653, 95.5973, 104.1055

**Achromatomaly**

89.9567, 96.1104, 101.8056

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 88.5993, 96.9256, 97.2579 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(243, 255, 241)` looks like.

```
.text, #text, p{  
    color:rgb(243, 255, 241)  
}
```

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(243, 255, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 255, 241) }
```

## Border

The CSS property to change the border of an element to XYZ 88.5993, 96.9256, 97.2579 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".

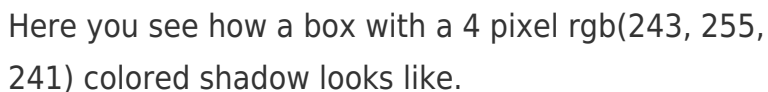
```
.border, #border, table{ border:4px solid rgb(243, 255, 241) }
```



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

```
.border{ border-color:rgb(243, 255, 241) }
```

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



Here you see how a box with a 4 pixel `rgb(243, 255, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(243, 255, 241); -webkit-box-shadow:4px 4px 4px 4px rgb(243, 255, 241); box-shadow:4px 4px 4px 4px rgb(243, 255, 241) }
```

# Background

The CSS property to change the background color of an element to XYZ 88.5993, 96.9256, 97.2579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 255, 241) }
```

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

```
.background{ background-color: rgb(243,  
255, 241) }
```

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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