

# Converting Colors

XYZ(88.1867, 95.8888,  
100.3820)

Have a look what the booklet for  
XYZ(88.1867, 95.8888, 100.3820)  
contains.

<b>XYZ(87.8823, 95.5439, 100.1961)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# **Color**

**XYZ(87.8823, 95.5439,  
100.1961)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1FDF5
RGB	241, 253, 245
RGB Percent	95%, 99%, 96%
CMY	0.0549, 0.0078, 0.0392
CMYK	0.05, 0.00, 0.03, 0.01
HSL	140°, 75%, 97%
HSV	140°, 5%, 99%
XYZ	87.8823, 95.5439, 100.1961
YIQ	248.5000, -4.5840, -5.0320

# Conversions

## Conversions Part 2

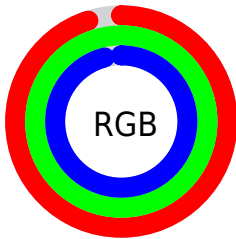
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	241, 250, 253
Decimal	15859189
CIE Lab	98.25, -5.35, 2.45
CIE LCh	98, 5.887, 155.400
Yxy	95.5439, 0.3099, 0.3369
Android (android.graphics.Color)	4294049269 (0xFFFF1FDF5)
YUV	248.5000, -1.7255, -6.5775
Hunter-Lab	97.7466, -10.5701, 7.6468

# Details

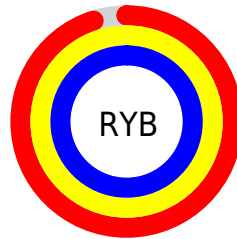
The XYZ color 87.8823, 95.5439, 100.1961 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 89.0657, 90.6352, 102.4272, and the grayscale version is 89.6510, 94.3198, 102.7143.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 48.9328, 53.4683, 55.8855 is the 20% darker color. If you saturate the color by 10%, you get 77.3797, 90.4165, 86.8688, and if you desaturate by 10%, it is 94.4171, 98.7343, 108.6890.

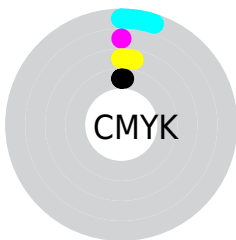
# Distribution



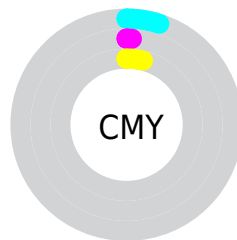
- Red (95%)
- Green (99%)
- Blue (96%)



- Red (95%)
- Yellow (98%)
- Blue (99%)



- Cyan (5%)
- Magenta (0%)
- Yellow (3%)
- Black (1%)




- Cyan (5%)
- Magenta (1%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.8823, 95.5439, 100.1961 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 87.8823, 95.5439, 100.1961 by changing the saturation by 10% instead.




 87.8823, 95.5439,  
100.1961

 87.8823, 95.5439,  
100.1961


509.4589,  
545.9048, 582.0733

 66.5561, 72.5877,  
75.8465

143.2866,  
155.0158, 163.4809

 48.9933, 53.6389,  
55.8008


178.0955,  
192.3004, 203.2531

 34.8287, 38.3131,  
39.6403


218.1292,  
235.1298, 249.0034

 23.6968, 26.2258,  
26.9465

263.7532,  
283.8886, 301.1502

 15.2324, 16.9926,  
17.3010

315.3328,  
338.9611, 360.1120

 9.0700, 10.2292,  
10.2851

373.2334,

 4.8444, 5.5512,

400.7317, 426.3074

5.4803

437.8203,  
469.5848, 500.1550

■ 2.1901, 2.5742,  
2.4681

■ 0.7375, 0.9137,  
0.8232

■ 87.8823, 95.5439,  
100.1961

■ 87.8823, 95.5439,  
100.1961

■ 77.3797, 90.4165,  
86.8688

94.4171, 98.7343,  
108.6890

■ 68.2533, 85.9694,  
74.7971

■ 60.4468, 82.1770,  
63.9465

■ 53.8966, 79.0075,  
54.2783

■ 48.5341, 76.4262,  
45.7521

■ 44.2835, 74.3949,  
38.3248

■ 41.0600, 72.8709,  
31.9509

■ 38.7656, 71.8045,  
26.5812

■ 37.2811, 71.1355,  
22.1623

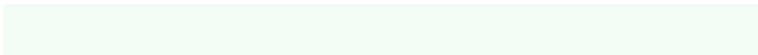
# Harmonies

## Analogous

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



88.9379, 95.5439, 96.6114



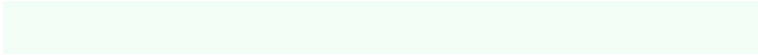
87.8823, 95.5439, 100.1961



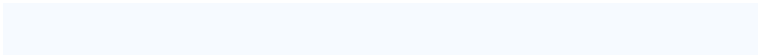
87.6075, 95.5439, 104.9113

# Triad

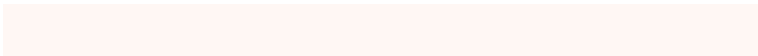
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.8823, 95.5439, 100.1961



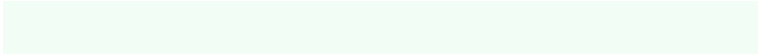
91.1184, 95.5439, 113.5966



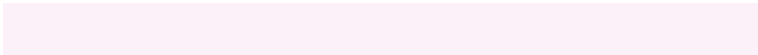
93.4925, 95.5439, 98.7207

# Complementary

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



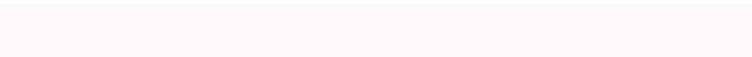
87.8823, 95.5439, 100.1961



89.0657, 90.6352, 102.4272

# Split Complementary

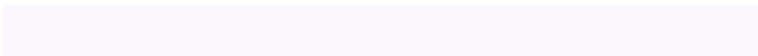
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.0929, 95.5439, 103.1558



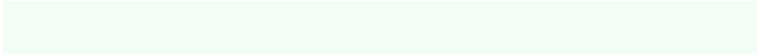
87.8823, 95.5439, 100.1961



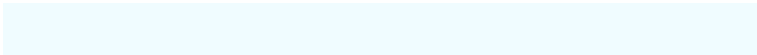
92.7114, 95.5439, 111.8212

# Square

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



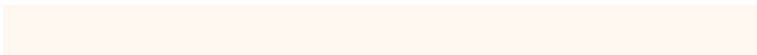
87.8823, 95.5439, 100.1961



89.4625, 95.5439, 112.7448



93.8053, 95.5439, 107.9627

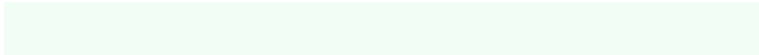


92.1742, 95.5439, 95.7783

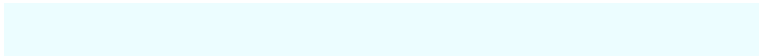


# Rectangle

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



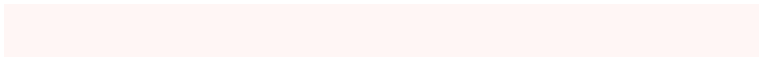
87.8823, 95.5439, 100.1961



87.9011, 95.5439, 108.0835



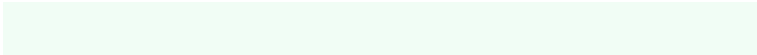
93.8053, 95.5439, 107.9627



93.7857, 95.5439, 100.0812

# Sweetspot

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



87.8850, 95.5480, 100.1982



93.8455, 99.4105, 107.4210



90.1444, 96.7826, 97.1501



20.0995, 21.2842, 23.0081



0.0000, 0.0000, 0.0000

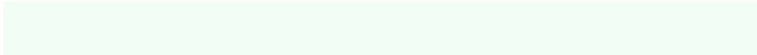


20.3446, 21.4041, 23.3091



# Same Dimension

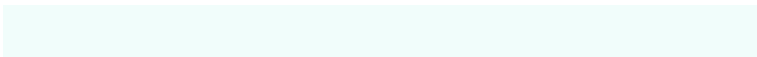
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.8850, 95.5480, 100.1982



88.0441, 96.5731, 100.2250



88.7852, 95.9080, 104.9384



18.6886, 20.5941, 21.2563



19.6031, 37.7378, 11.0613



1.9570, 3.6937, 1.3312



# Inverse Universe

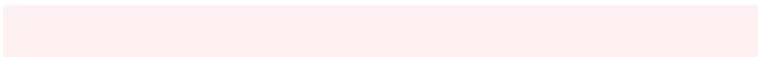
The Inverse Universe completely reimagines the original color for something new.



89.0657, 90.6352, 102.4272



89.5517, 90.2996, 103.0712



88.1741, 90.2786, 97.7325



19.0449, 19.1118, 21.9288



25.4135, 12.6547, 21.3597

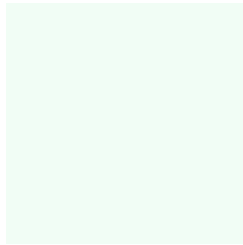


2.5252, 1.2524, 2.3470



# Previews

## White Background



This preview shows how the XYZ color 87.8823, 95.5439, 100.1961 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

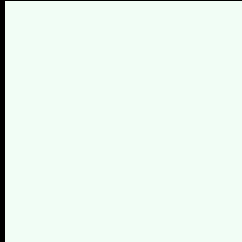
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 87.8823, 95.5439, 100.1961 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

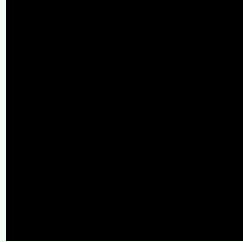
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

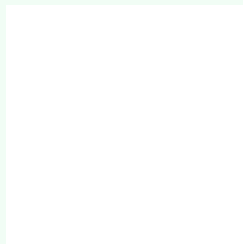
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 87.8823, 95.5439, 100.1961

## Background



This preview shows how black text looks on a background with the XYZ color 87.8823, 95.5439, 100.1961.



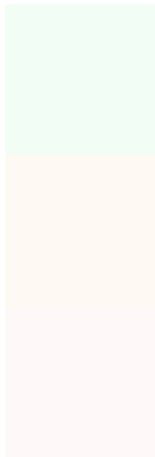
This preview shows how white text looks on a background with the XYZ color 87.8823, 95.5439,



# 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

87.8823, 95.5439, 100.1961

### Protanopia

91.4448, 95.5430, 99.2099

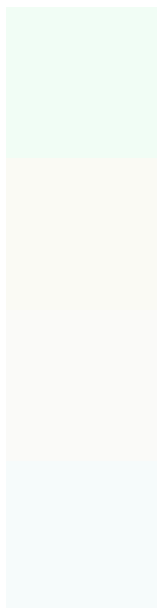
### Deuteranopia

91.9063, 95.2344, 103.1606

## **Tritanopia**

91.3025, 95.7310, 108.2735

# Trichromacy



## Original Color

87.8823, 95.5439, 100.1961

## Protanomaly

89.9391, 95.2269, 99.2283

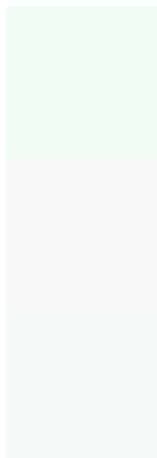
## Deuteranomaly

90.5532, 95.4725, 102.4623

## Tritanomaly

89.9158, 95.5522, 104.9711

# Monochromacy



## Original Color

87.8823, 95.5439, 100.1961

## Achromatopsia

90.0415, 94.7307, 103.1617

## Achromatomaly

89.1349, 94.7414, 102.3959

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.8823, 95.5439, 100.1961 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(241, 253, 245) looks like.

```
.text, #text, p{  
    color:rgb(241, 253, 245)  
}
```

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(241, 253, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 253, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 87.8823, 95.5439, 100.1961 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(241, 253, 245) }
```



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

```
.border{ border-color:rgb(241, 253, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 253, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 253, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 253, 245);  
box-shadow:4px 4px 4px 4px rgb(241, 253,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.8823, 95.5439, 100.1961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 253, 245) }
```

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

```
.background{ background-color: rgb(241,  
253, 245) }
```

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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