

# Converting Colors

XYZ(89.4133, 95.3070, 99.9651)

Have a look what the booklet for  
XYZ(89.4133, 95.3070, 99.9651)  
contains.

<b>XYZ(89.3364, 95.3611, 100.0842)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(89.3364, 95.3611,  
100.0842)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7FBF5
RGB	247, 251, 245
RGB Percent	97%, 98%, 96%
CMY	0.0314, 0.0157, 0.0392
CMYK	0.02, 0.00, 0.02, 0.02
HSL	100°, 43%, 97%
HSV	100°, 2%, 98%
XYZ	89.3364, 95.3611, 100.0842
YIQ	249.1200, -0.4580, -2.7140

# Conversions

## Conversions Part 2

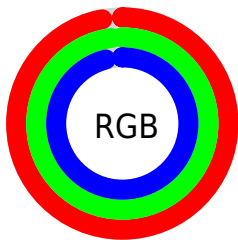
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	245, 251, 249
Decimal	16251893
CIE Lab	98.18, -2.37, 2.40
CIE LCh	98, 3.369, 134.631
Yxy	95.3611, 0.3137, 0.3349
Android (android.graphics.Color)	4294441973 (0xFF7FBF5)
YUV	249.1200, -2.0312, -1.8592
Hunter-Lab	97.6530, -7.5947, 7.5910

# Details

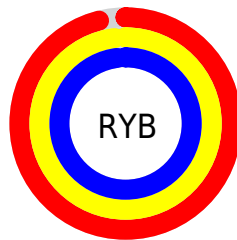
The XYZ color 89.3364, 95.3611, 100.0842 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 89.1356, 92.4122, 104.4111, and the grayscale version is 90.1600, 94.8553, 103.2975.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.1863, 53.7807, 55.8797 is the 20% darker color. If you saturate the color by 10%, you get 80.1213, 91.0264, 80.9886, and if you desaturate by 10%, it is 93.7890, 97.4781, 108.4797.

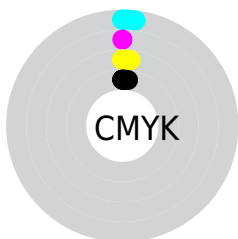
# Distribution



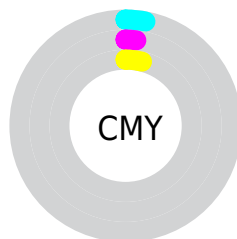
- Red (97%)
- Green (98%)
- Blue (96%)



- Red (96%)
- Yellow (98%)
- Blue (98%)



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



- Cyan (3%)
- Magenta (2%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 89.3364, 95.3611, 100.0842 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 89.3364, 95.3611, 100.0842 by changing the saturation by 10% instead.



89.3364, 95.3611,  
100.0842

89.3364, 95.3611,  
100.0842

514.1399,  
545.3204, 581.7116

67.7648, 72.4356,  
75.7536

145.2993,  
154.7634, 163.3258

49.9794, 53.5146,  
55.7250

180.4214,  
192.0089, 203.0738

35.6148, 38.2137,  
39.5800

220.7910,  
234.7966, 248.7981

24.3056, 26.1486,  
26.8999

266.7736,  
283.5107, 300.9171

15.6864, 16.9348,  
17.2663

318.7344,  
338.5358, 359.8494

9.3920, 10.1880,  
10.2606

377.0388,

5.0569, 5.5238,

400.2561, 426.0136

5.4642

442.0522,  
469.0562, 499.8281

■ 2.3158, 2.5578,  
2.4587

■ 0.8027, 0.9055,  
0.8181

■ 89.3364, 95.3611,  
100.0842

■ 89.3364, 95.3611,  
100.0842

■ 80.1213, 91.0264,  
80.9886

■ 93.7890, 97.4781,  
108.4797

■ 71.9188, 87.1534,  
64.5434

■ 64.6950, 83.7298,  
50.6333

■ 58.4109, 80.7383,  
39.1319

■ 53.0248, 78.1603,  
29.9020

■ 48.4913, 75.9759,  
22.7927

■ 44.7609, 74.1631,  
17.6346

■ 41.7777, 72.6974,  
14.2324

■ 39.4771, 71.5507,  
12.3504

# Harmonies

## Analogous

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



90.1685, 95.3611, 98.7588



89.3364, 95.3611, 100.0842



88.8548, 95.3611, 102.4255

# Triad

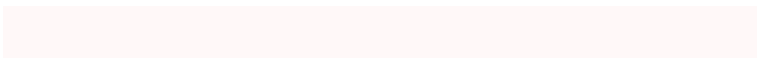
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.3364, 95.3611, 100.0842



90.1454, 95.3611, 109.0578



92.4509, 95.3611, 102.4913

# Complementary

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



89.3364, 95.3611, 100.0842



89.1356, 92.4122, 104.4111

# Split Complementary

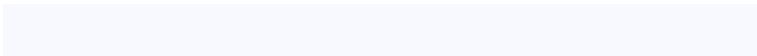
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.4446, 95.3611, 105.2514



89.3364, 95.3611, 100.0842



91.1089, 95.3611, 109.0761

# Square

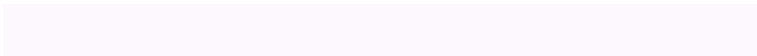
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



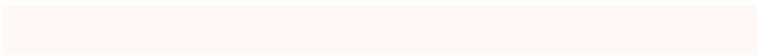
89.3364, 95.3611, 100.0842



89.3196, 95.3611, 107.6225



91.9519, 95.3611, 107.6723

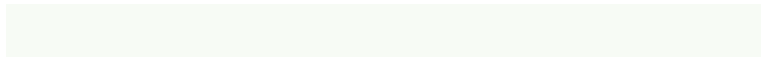


91.9690, 95.3611, 100.1316

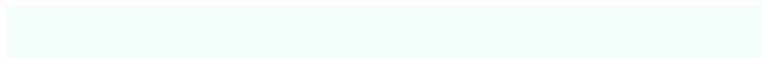


# Rectangle

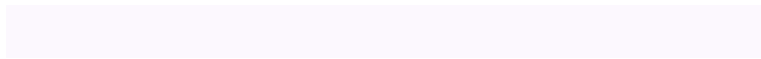
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



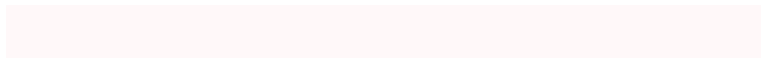
89.3364, 95.3611, 100.0842



88.7951, 95.3611, 104.2630



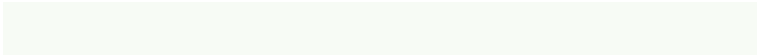
91.9519, 95.3611, 107.6723



92.5059, 95.3611, 103.4022

# Sweetspot

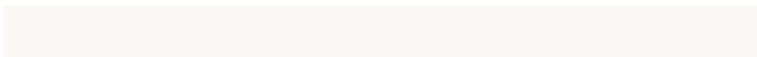
The Sweet Spot groups the original color and five complimentary colors.



89.3391, 95.3652, 100.0863



94.0192, 99.5157, 106.7229



90.1446, 94.8572, 99.9458



20.1349, 21.3056, 22.8660



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.



89.3391, 95.3652, 100.0863



91.9904, 98.5622, 102.4551



88.7908, 95.0648, 100.8603



18.6864, 20.1191, 20.6525



20.1736, 37.3181, 6.1399

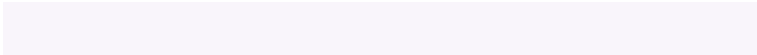


1.9758, 3.5117, 0.5737

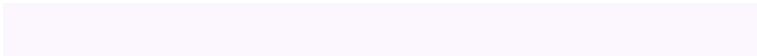


# Inverse Universe

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



89.1356, 92.4122, 104.4111



91.7267, 94.7357, 108.0591



89.6949, 92.7187, 103.6159



18.6184, 19.1328, 22.0970



17.7346, 8.0852, 48.5994

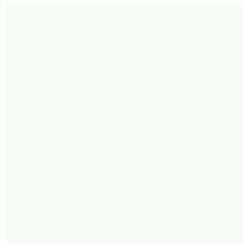


1.7548, 0.8067, 4.5064



# Previews

## White Background



This preview shows how the XYZ color 89.3364, 95.3611, 100.0842 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

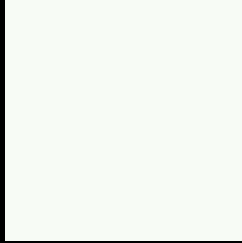
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.3364, 95.3611, 100.0842 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

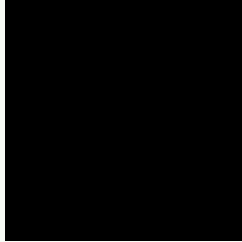
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

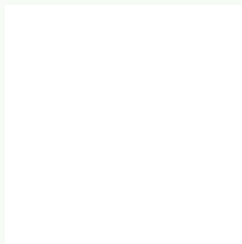
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 89.3364, 95.3611, 100.0842

## Background



This preview shows how black text looks on a background with the XYZ color 89.3364, 95.3611, 100.0842.



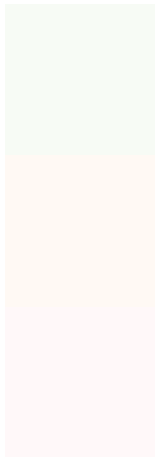
This preview shows how white text looks on a background with the XYZ color 89.3364, 95.3611,

100.0342.

# 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

89.3364, 95.3611, 100.0842

### Protanopia

91.4448, 95.5430, 99.2099

### Deuteranopia

91.9063, 95.2344, 103.1606

## **Tritanopia**

91.3500, 95.2954, 108.1869

# Trichromacy



**Original Color**

89.3364, 95.3611, 100.0842

**Protanomaly**

90.6596, 95.5983, 99.2620

**Deuteranomaly**

90.9638, 95.2241, 102.3927

**Tritanomaly**

90.6651, 95.4760, 104.9169

# Monochromacy



**Original Color**

89.3364, 95.3611, 100.0842

**Achromatopsia**

90.0415, 94.7307, 103.1617

**Achromatomaly**

89.8403, 95.1050, 102.4289

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 89.3364, 95.3611, 100.0842 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(247, 251, 245) looks like.

```
.text, #text, p{  
    color:rgb(247, 251, 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(247, 251, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 251, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 89.3364, 95.3611, 100.0842 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(247, 251, 245) }
```



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

```
.border{ border-color:rgb(247, 251, 245) }
```

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

Here you see how a box with a 4 pixel rgb(247, 251, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 251, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 251, 245);  
box-shadow:4px 4px 4px 4px rgb(247, 251,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.3364, 95.3611, 100.0842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 251, 245) }
```

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

```
.background{ background-color: rgb(247,  
251, 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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