

# Converting Colors

XYZ(87.9316, 94.1445, 98.8678)

Have a look what the booklet for  
XYZ(87.9316, 94.1445, 98.8678)  
contains.

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# Color

**XYZ(88.1709, 94.3153,  
99.1455)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5FAF4
RGB	245, 250, 244
RGB Percent	96%, 98%, 96%
CMY	0.0392, 0.0196, 0.0431
CMYK	0.02, 0.00, 0.02, 0.02
HSL	110°, 38%, 97%
HSV	110°, 2%, 98%
XYZ	88.1709, 94.3153, 99.1455
YIQ	247.8210, -1.0540, -2.9260

# Conversions

## Conversions Part 2

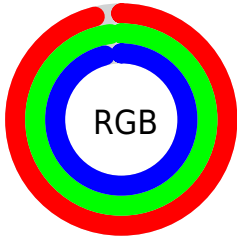
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">244, 250, 249</a>
Decimal	<a href="#">16120564</a>
CIELab	<a href="#">97.76, -2.70, 2.29</a>
CIELCh	<a href="#">98, 3.538, 139.761</a>
Yxy	<a href="#">94.3153, 0.3131, 0.3349</a>
Android (android.graphics.Color)	<a href="#">4294310644</a> ( <a href="#">0xFFFF5FAF4</a> )
YUV	<a href="#">247.8210, -1.8838, -2.4740</a>
Hunter-Lab	<a href="#">97.1161, -7.8944, 7.4523</a>

# Details

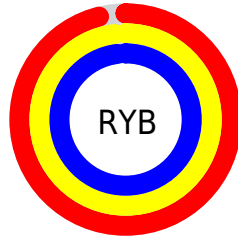
The XYZ color 88.1709, 94.3153, 99.1455 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 88.6765, 91.7458, 103.4822, and the grayscale version is 89.0947, 93.7346, 102.0770.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.3552, 53.0332, 55.2121 is the 20% darker color. If you saturate the color by 10%, you get 77.7651, 89.3629, 80.1687, and if you desaturate by 10%, it is 93.4774, 96.8548, 108.3758.

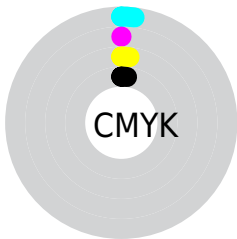
# Distribution



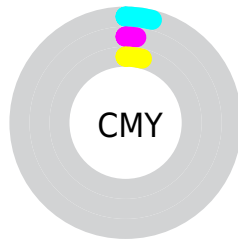
- Red (96%)
- Green (98%)
- Blue (96%)



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



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 88.1709, 94.3153, 99.1455 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 88.1709, 94.3153, 99.1455 by changing the saturation by 10% instead.



88.1709, 94.3153,  
99.1455

88.1709, 94.3153,  
99.1455

510.3898,  
541.9707, 578.6728

66.7959, 71.5652,  
74.9742

143.6864,  
153.3183, 162.0240

49.1888, 52.8036,  
55.0901

178.5575,  
190.3401, 201.5683

34.9845, 37.6460,  
39.0748

218.6581,  
232.8878, 247.0741

23.8174, 25.7081,  
26.5097

264.3535,  
281.3460, 298.9597

15.3222, 16.6054,  
16.9761

316.0089,  
336.0990, 357.6439

9.1336, 9.9535,  
10.0557

373.9899,

4.8862, 5.3682,

397.5311, 423.5451

5.3298

438.6617,  
466.0269, 497.0819

■ 2.2147, 2.4649,  
2.3799

■ 0.7505, 0.8590,  
0.7755

■ 88.1709, 94.3153,  
99.1455

■ 88.1709, 94.3153,  
99.1455

■ 77.7651, 89.3629,  
80.1687

■ 93.4774, 96.8548,  
108.3758

■ 68.6428, 85.0123,  
63.8304

■ 60.7560, 81.2442,  
50.0156

■ 54.0511, 78.0334,  
38.5985

■ 48.4701, 75.3532,  
29.4424

■ 43.9503, 73.1744,  
22.3969

■ 40.4224, 71.4650,  
17.2935

■ 37.8087, 70.1892,  
13.9377

■ 36.0189, 69.3054,  
12.0948

# Harmonies

## Analogous

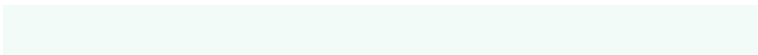
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.9895, 94.3153, 97.5521



88.1709, 94.3153, 99.1455



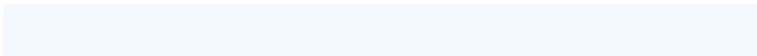
87.7480, 94.3153, 101.7088

# Triad

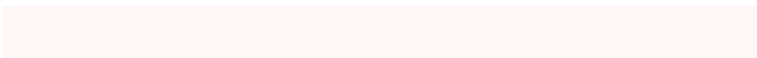
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.1709, 94.3153, 99.1455



89.2994, 94.3153, 108.2592



91.4823, 94.3153, 100.8260

# Complementary

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



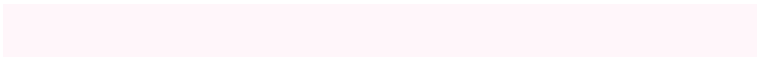
88.1709, 94.3153, 99.1455



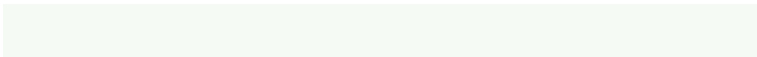
88.6765, 91.7458, 103.4822

# 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.



91.5668, 94.3153, 103.6842



88.1709, 94.3153, 99.1455



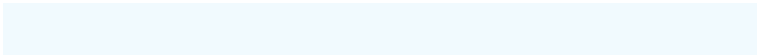
90.3015, 94.3153, 108.0121

# Square

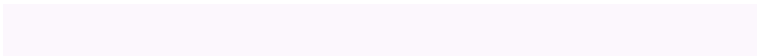
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



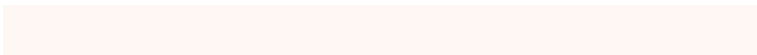
88.1709, 94.3153, 99.1455



88.3963, 94.3153, 106.9938



91.1331, 94.3153, 106.3248

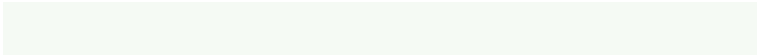


90.9031, 94.3153, 98.5097

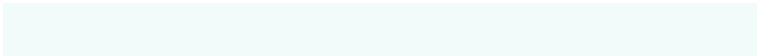


# Rectangle

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



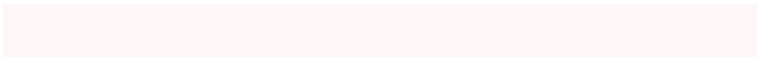
88.1709, 94.3153, 99.1455



87.7453, 94.3153, 103.6383



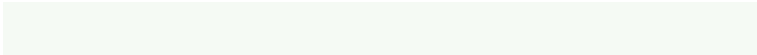
91.1331, 94.3153, 106.3248



91.5696, 94.3153, 101.7541

# Sweetspot

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



88.1736, 94.3194, 99.1476



93.8645, 99.4360, 106.7157



89.6331, 94.6114, 99.1270



20.1034, 21.2893, 22.8646



0.0000, 0.0000, 0.0000

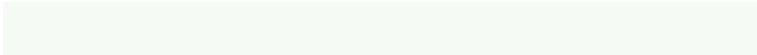


20.3446, 21.4041, 23.3091



# Same Dimension

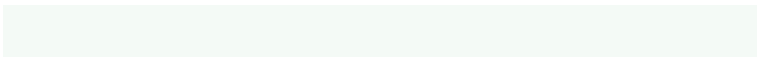
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.1736, 94.3194, 99.1476



91.5356, 98.3277, 102.4338



88.1313, 94.2623, 100.7407



18.5695, 20.0589, 20.6471



18.7110, 36.5642, 6.0714

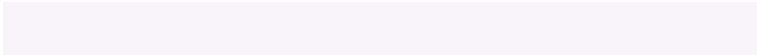


1.8070, 3.4246, 0.5658



# Inverse Universe

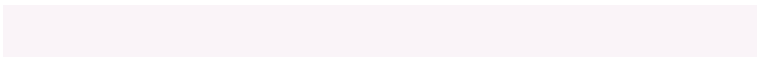
The Inverse Universe completely reimagines the original color for something new.



88.6765, 91.7458, 103.4822



92.1908, 94.9750, 108.0808



88.7216, 91.8051, 101.8546



18.7384, 19.1947, 22.1026



23.1115, 10.8571, 48.8511

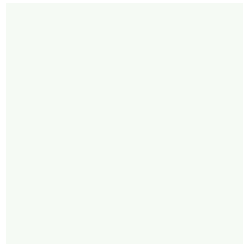


2.2134, 1.0431, 4.5279



# Previews

## White Background



This preview shows how the XYZ color 88.1709, 94.3153, 99.1455 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

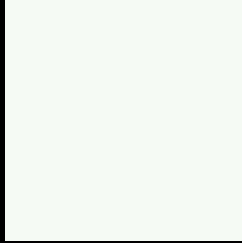
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 88.1709, 94.3153, 99.1455 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

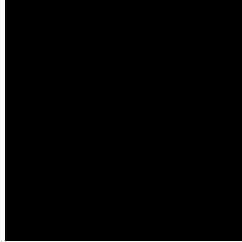
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

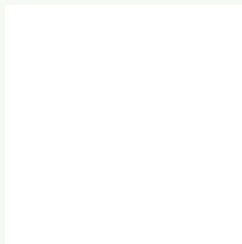
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 88.1709, 94.3153, 99.1455

## Background



This preview shows how black text looks on a background with the XYZ color 88.1709, 94.3153, 99.1455.



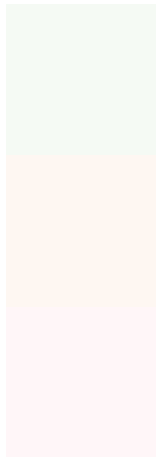
This preview shows how white text looks on a background with the XYZ color 88.1709, 94.3153,

99.155.

# 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

88.1709, 94.3153, 99.1455

### Protanopia

90.1608, 94.0032, 97.3968

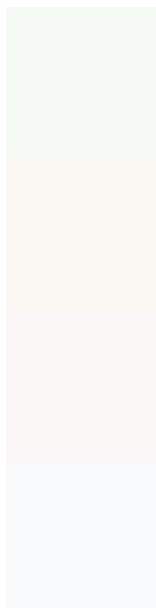
### Deuteranopia

91.1390, 93.9488, 102.1373

## Tritanopia

90.3288, 94.3113, 108.0508

# Trichromacy



## Original Color

88.1709, 94.3153, 99.1455

## Protanomaly

89.5287, 94.1151, 98.2414

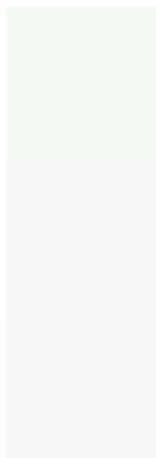
## Deuteranomaly

89.8329, 93.7462, 101.3558

## Tritanomaly

89.6460, 94.4906, 104.7804

# Monochromacy



## Original Color

88.1709, 94.3153, 99.1455

## Achromatopsia

89.2221, 93.8686, 102.2229

## Achromatomaly

89.0220, 94.2409, 101.4940

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 88.1709, 94.3153, 99.1455 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(245, 250, 244) looks like.

```
.text, #text, p{  
    color:rgb(245, 250, 244)  
}
```

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(245, 250, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 250, 244) }
```

## Border

The CSS property to change the border of an element to XYZ 88.1709, 94.3153, 99.1455 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(245, 250, 244) }
```



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

```
.border{ border-color:rgb(245, 250, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 250, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 250, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 250, 244);  
box-shadow:4px 4px 4px 4px rgb(245, 250,  
244) }
```

# Background

The CSS property to change the background color of an element to XYZ 88.1709, 94.3153, 99.1455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 250, 244) }
```

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

```
.background{ background-color: rgb(245,  
250, 244) }
```

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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